SAMSUNG

The purpose of Safety Concerns is to ensure users' safety and to prevent property losses.
Please read this document carefully for proper use.

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Part No: GL68-00568A(Ed.01)

SAMSUNG

USER MANUAL

SMART Media Player (GX-SM530CF)

Notice: This product is for one way cable only,
not interactive cable.

Dispose unwanted electronics through an approved recycler.
To find the nearest recycling location, go to our website:
www.samsung.com/recyclingdirect or call, (877) 278 - 0799

Contact SAMSUNG USA

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

CALL: 1-800-SAMSUNG (726-7864)
OR VISIT US ONLINE AT: http://www.samsung.com

Safety Information

WARNING

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.	**CAUTION**: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	This symbol indicates important instructions accompanying the product.

Do not install this equipment in a confined space such as a bookcase or similar unit.

WARNING

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

CAUTION

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NsOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

This product satisfies CE regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances, such as radios and televisions, use shielded cables and connectors for connections.

IMPORTANT NOTE

If the power plug on this unit does not fit the wall outlets in your house, have the wall outlets replaced with outlets that fit by a licensed electrician. If the power cord is not long enough, obtain a suitable, safety-approved extension cord. If you have questions about the power cord or plug, or need additional help, consult your dealer for assistance.

To turn off this unit completely, you must disconnect it from the wall outlet. Consequently, the unit's power plug must be readily accessible at all times.

This product is manufactured under license in accordance with certain intellectual property rights of certain third parties.

FCC NOTES (FOR U.S.A)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on.

If interference is present, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This class B digital product meets all requirements of the Canadian Interference - Causing Equipment Regulations.

PRECAUTIONS

Important Safety Instructions

Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below.
Keep these operating instructions handy for future reference.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including AV receivers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where it exits the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

HANDLING CAUTIONS

WARNING

- If you position this product near a wireless device, noise may appear on the TV you have connected the unit to when the TV is on.
- Never remove the top cover of this product. There are no user-serviceable parts inside it.
- Make sure all electrical connections are properly made.
- Connect all equipment to the unit first, and then plug in their power cords.
- Disconnect the Smart Media Player's power plug from the wall outlet before you disconnect any equipment from the product's rear panel.
- Never push anything into the holes, slots or other openings in the case.
- If the supplied power plug does not fit your wall outlets DO NOT plug it in. Have the wall outlets replaced with appropriate wall outlets by a qualified electrician.
- To turn off this product completely, you must disconnect it from the wall outlet. Consequently, the unit's power plug must be readily accessible at all times.

CAUTION

- Do not move the Smart Media Player when it is on.
- Do not use or store the Smart Media Player in hot, cold, damp or dusty places.
- Do not block the ventilation holes of the Smart Media Player. Leave a space of at least 2 inches (5cm) around all sides.
- Never place the Smart Media Player on soft furnishings or carpets.
- Do not put anything on the Smart Media Player which might spill liquid into it or place it in an environment where it may be subject to moisture or rain.
- Do not place the Smart Media Player on top of other powered electrical equipment such as an amplifier or DVD player.
- Do not operate in an enclosed space such as a Hi-Fi cabinet.
- Do not allow the power cable or DC wire from the power supply to become trapped under any object, crushed or jammed in a cabinet door.
- Do not clean with spray polish.
- Only dust with a dry cloth.
- Do not place the Smart Media Player in front of a heat source such as a radiator or fire.

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Getting Started

The GX-SM530CF is an Hybrid Type digital HD Smart Media Player that supports MSO Cable TV and OTT Service, Multi-Media File Playback, Samsung Apps, and Samsung Link.

MEDIA FILE FORMAT COMPATIBILITY

Contents your product can play

Contents	Media	Details
VIDEO / MUSIC / PHOTO	USB	Video, music and photos stored in USB drive.

* For more information on the file format, refer to pages 7~10.

Supported Formats

Video File Support

- Limitations
  - Normal playback is not guaranteed if the file's container information is wrong or the file itself is corrupted.
  - Files having a higher Bit rate/frame rate than indicated in the table on page 8 may stutter when played back.
  - The Seek (Jump) function is not available if the file's index table is damaged.
  - When you playback a file remotely through a network connection, video playback may stutter depending on the network speed.
  - Some USB/Digital camera devices may not be compatible with the product.
- Video decoder
  - Supports up to H.264 Level 4.1. (Does not support FMO/ASO/RS)
  - Does not support VC1/AP/L4.
  - CODECs except for WMVv7, v8, MSMPEG4 v3, MVC, VP6
  - Below 1280 x 720 : 60 frames max.
  - Above 1280 x 720 : 30 frames max.
  - Does not support GMC 2 or higher.
  - Supports SVAF (Top/Bottom, Side by Side).
  - Supports MVC (Frame Packing).
- Audio decoder
  - Supports WMA 10 PRO (Up to 5.1).
  - Does not support WMA lossless audio.
  - Supports ADPCM IMA, MS.
  - Does not support ADPCM (A-Law, μ-Law).
  - Does not support QCELP/AMR NB/WB.
  - Supports vorbis (Up to 2ch).
  - Supports Dolby Digital, Dolby Digital Plus (2ch).

- Supported DivX subtitle file formats
  - *.ttxt, *.smi, *.srt, *.sub, *.txt

▸ Some DivX, MKV and MP4 format files may not play, depending on their video resolution and frame rate.

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec
*.avi *.mkv *.asf *.wmv *.mp4 *.3gp *.vro *.mpg *.mpeg *.ts *.tp *.trp *.mov *.flv *.vob *.svi *.m2ts *.mts *.divx	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS SVAF	DivX 3.11 / 4 / 5 / 6	1920x1080 (WMV v7, v8, MSMPEG4 v3 : 1280x720)	6~30	30	Dolby Digital LPCM ADPCM(IMA, MS) AAC HE-AAC WMA Dolby Digital Plus MPEG(MP3)
		MPEG4 SP/ASP				
		H.264 BP/MP/HP				
		Motion JPEG				
		Microsoft MPEG-4 v3				
		Window Media Video v7, v8, v9				
		MPEG2				
		MPEG1				
		VP6	640x480		4	
		MVC		24/25/30	60	
*.webm	WebM	VP8	1920x1080	6~30	20	Vorbis

Supported Subtitle File Formats

	Name	File Extension		Name	File Extension
External	MPEG-4 Timed text	.ttxt	**Internal**	Xsub	AVI
	SAMI	.smi		SubStation Alpha	MKV
	SubRip	.srt		Advanced SubStation Alpha	MKV
	SubViewer	.sub		SubRip	MKV
	Micro DVD	.sub or.txt		MPEG-4 Timed text	MP4
	SubStation Alpha	.ssa			
	Advanced SubStation Alpha	.ass			
	Powerdivx	.psb			

Music File Support

File Extension	Type	Codec	Support Range	File Extension	Type	Codec	Support Range
*.mp3	MPEG	MPEG1 Audio Layer 3	-	*.wma	WMA	WMA	Supports WMA 10 Pro (Up to 5.1). Does not support WMA lossless audio. Supports up to M2 profile. Does not support LBR mode.
*.m4a *.mpa *.aac	MPEG4	AAC	-				
*.flac	FLAC	FLAC	Supports up to 2ch				
*.ogg	OGG	Vorbis	Supports up to 2ch	*.mid *.midi	midi	midi	type 0 and type 1
*.wav	wav	wav	-	*.ape	ape	ape	

Picture File Support

File Extension	Type	Resolution
*.jpg *.jpeg	JPEG	15360x8640
*.png	PNG	4096x4096
*.bmp	BMP	4096x4096
*.mpo	MPO	15360x8640

Notes on the USB connection

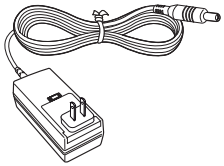
- Your product supports USB storage media, MP3 products, digital cameras, and USB card readers.
- Some USB/digital camera devices may not be compatible with the product.
- Your product supports the FAT16, FAT32, and NTFS files systems (read only).
- Connect USB devices directly to the product's USB port. Connecting through a USB cable may cause compatibility problems.
- Inserting more than one memory device into a multi-card reader may cause the reader to operate improperly.
- The product supports the PTP protocol.
- Do not disconnect a USB device during a "loading" process.
- The bigger the image resolution, the longer the image takes to display.
- This product cannot play MP3 files with DRM (Digital Rights Management) downloaded from commercial sites.
- The USB port on your product does not support videos with frame rates over 30 fps.
- Your product only supports USB Mass Storage Class (MSC) devices such as thumb drives, flash card readers and USB HDD. (HUB is not supported.)
- Certain USB HDD Devices, multi-card readers and thumb drives may not be compatible with this product.
- If some USB devices require excessive power, they may be limited by the circuit safety device.
- If playback from a USB HDD is unstable, provide additional power by plugging the HDD into a wall socket.
  If the problem continues, contact the USB HDD manufacturer.
- During the playback or copying, do not disconnect a USB device.
- SAMSUNG is not responsible for any data file damage or data loss.
- Your product does not support NTFS file compression, NTFS sparse file, or NTFS file encryption.
- You can repair or format a USB device on your Desktop PC. (MS-Windows OS only)

ACCESSORIES

Check for the supplied accessories below.

Remote Control

Batteries for Remote Control (AAA Size)



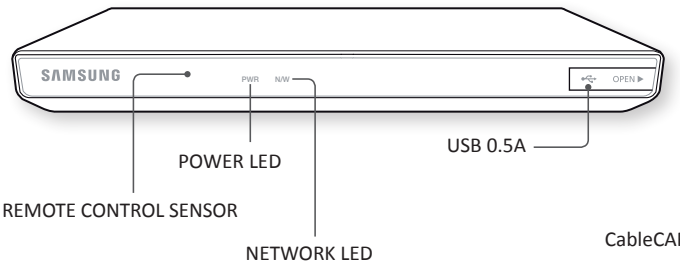
Power Adapter

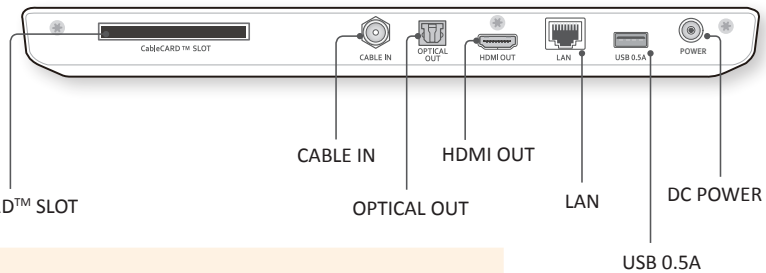
User Manual

Quick Start Guide

- You can obtain cable accessories that are not supplied from your local Samsung dealer.

FRONT PANEL AND REAR PANEL





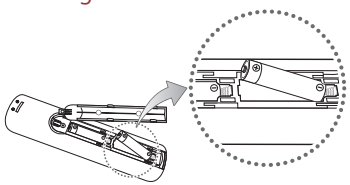
- Power LED : Glows blue when the Smart Media Player is on.
- Network LED : Glows when the network connection is on and working correctly. Blinks if the network connection is faulty.

REMOTE CONTROL

Tour of the Remote Control

Turn the product on and off.
Press numeric buttons to operate options or to access channels directly.
Used to toggle between normal & muted audio.
Volume adjustment.
Press to move to the home screen.
Press to search contents.
Press to use Tools menu.
Use to select menu items and change menu value./ Press to skip backwards or forwards.
Return to the previous menu.
Displays the Movies & TV Show Screen.
Displays the Screen Mirroring screen.
Press to search backwards.
Press this to play a media file.
Turn the TV on and off.
Tune to the previously viewed channel.
Press to change channels.
Displays the Live TV screen.
Displays the EPG (Electronic Program Guide.)
Press to display channel information or to display playback information while playing content from a USB device.
Press to exit the menu.
These buttons are used both for menus on the Smart Media Player and also several functions.
Press to stop playback.
Press to enable or disable captions.
Press to search forwards.
Press to pause a media file.
TV
1 2 3
4 5 6
7 8 9
0
PRE-CH
MUTE
VOL
LIVE
CH
MENU
SEARCH
GUIDE
TOOLS
INFO
RETURN
EXIT
A B C D
SCREEN
VOD
MIRROR
CC
SAMSUNG

Installing batteries



- If the remote does not operate properly:
  - Check the polarity +/– of the batteries.
  - Check if the batteries are drained.
  - Check if the remote sensor is blocked by obstacles.
  - Check if there is any fluorescent lighting nearby.

- Dispose of batteries according to local environmental regulations. Do not put them in the household trash.

Setting the Remote Control to Operate Your TV

- **To determine whether your television is compatible, follow the instructions below.**

1. Turn your television on.
2. Point the remote control towards the television.
3. Press the **TV** button to set the remote to TV mode.
4. Press and hold the **TV** button, and then enter the two-figure code in the table to the right that corresponds to the brand of your television by pressing the appropriate number buttons.
   If your television is compatible with the remote control, it will turn off. The remote is now programed to operate the TV.

- If several codes are listed for your television brand, try each one in turn until you find one that works.
- If you replace the remote control's batteries, you must set the brand code again.

You can control the TV function below with this remote control.

Button	Function
TV	Use to turn the television on and off.

- The function above will not necessarily work on all televisions. If you encounter problems, use the TV remote control.

TV Control Codes

Brand	Code
SAMSUNG	TV+01, +02, +03, +04, +05, +06, +07, +08, +09
AIWA	TV+82
ANAM	TV+10, +11, +12, +13, +14, +15, +16, +17, +18
BANG & OLUFSEN	TV+57
BLAUPUNKT	TV+71
BRANDT	TV+73
BRIONVEGA	TV+57
CGE	TV+52
CONTINENTAL EDISON	TV+75
DAEWOO	TV+19, +20, +23, +24, +25, +26, +27, +28, +29, +30, +31, +32, +33, +34
EMERSON	TV+64
FERGUSON	TV+73
FINLUX	TV+06, +49, +57

Brand	Code
FORMENTI	TV+57
FUJITSU	TV+84
GRADIENTE	TV+70
GRUNDIG	TV+49, +52, +71
HITACHI	TV+60, +72, +73, +75
IMPERIAL	TV+52
JVC	TV+61, +79
LG	TV+06, +19, +20, +21, +22, +78
LOEWE	TV+06, +69
LOEWE OPTA	TV+06, +57
MAGNAVOX	TV+40
METZ	TV+57
MITSUBISHI	TV+06, +48, +62, +65
MIVAR	TV+52, +77
NEC	TV+83
NEWSAN	TV+68

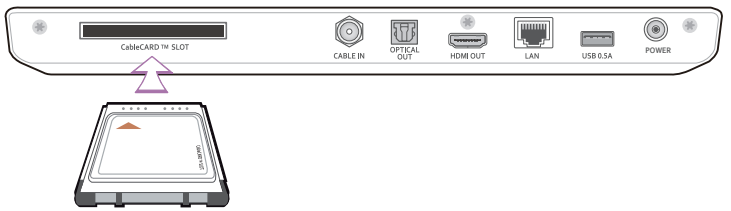
Brand	Code
NOBLEX	TV+66
NOKIA	TV+74
NORDMENDE	TV+72, +73, +75
PANASONIC	TV+53, +54, +74, +75
PHILIPS	TV+06, +55, +56, +57
PHONOLA	TV+06, +56, +57
PIONEER	TV+58, +59, +73, +74
RADIOLA	TV+06, +56
RADIOMARELLI	TV+57
RCA	TV+45, +46
REX	TV+74
SABA	TV+57, +72, +73, +74, +75
SALORA	TV+74
SANYO	TV+41, +42, +43, +44, +48
SCHNEIDER	TV+06
SELECO	TV+74

Brand	Code
SHARP	TV+36, +37, +38, +39, +48
SIEMENS	TV+71
SINGER	TV+57
SINUDYNE	TV+57
SONY	TV+35, +48
TELEAVA	TV+73
TELEFUNKEN	TV+67, +73, +75, +76
THOMSON	TV+72, +73, +75
THOMSON ASIA	TV+80, +81
TOSHIBA	TV+47, +48, +49, +50, +51, +52
WEGA	TV+57
YOKO	TV+06
ZENITH	TV+63

Connections

INSTALLING A CableCARD

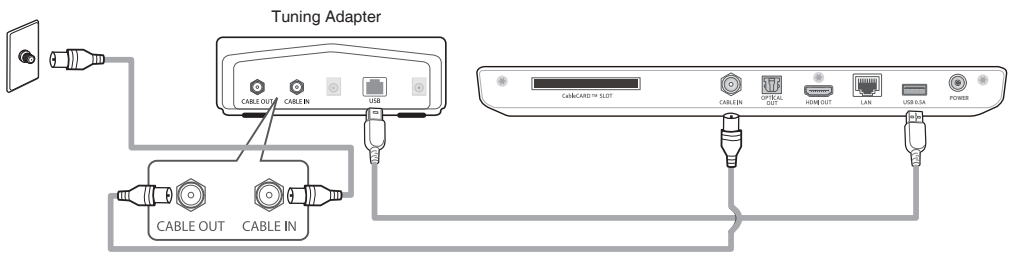
Before inserting the CableCARD supplied by your Cable Service Provider, write down the CableCARD Serial Number (SN) and “MAC” address. When you contact your Cable Service provider to activate your cable service, they will ask for the CableCARD Serial number and possibly the MAC Address. To prevent the possibility of electrical damage, insert the CableCARD before you connect the power cord to the product.



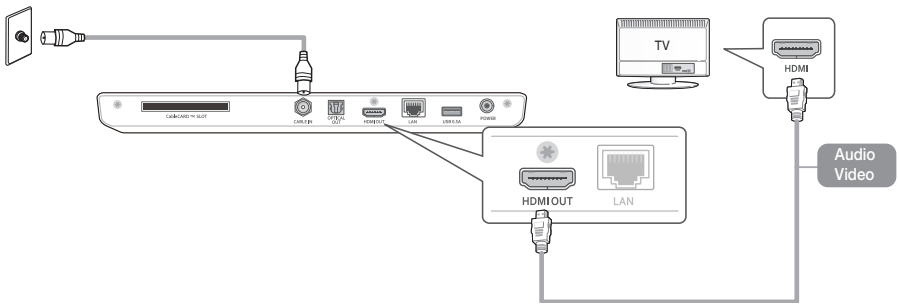
TUNING ADAPTER

To receive all of the digital channels your Cable Service Provider has to offer, you may need to install a Switched Digital Video Tuning Adapter, which will be supplied by your Cable Service Provider. Switched Digital Video (SDV) is an advanced technology that allows Cable Service Providers to better utilize existing cable capacity. The Tuning adapter must be installed correctly and connected to your Smart Media Player to receive channels delivered using SDV Technology.

If your Cable Service Provider does not utilize Switched Digital Video Technology, a Tuning Adapter is not required. Refer to the Tuning Adapter manual provided by your Cable Service provider.



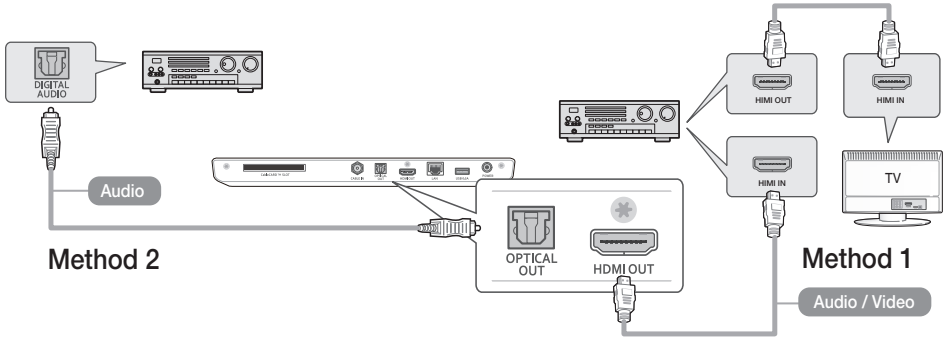
CONNECTING TO A TV



1. Connect the product to your TV using an HDMI cable.
2. Turn on the product and TV.
3. Press the input selector on your TV remote control until the signal from the product appears on the TV screen.

- Do not connect the power cord until you have made all the other connections.
- When you change connections, turn off all devices before you start.
- If you use an HDMI-to-DVI cable to connect to your display device, you must also connect the Digital Audio Out on the product to an audio system to hear audio.
- An HDMI cable outputs digital video/audio, so you don't need to connect an audio cable.
- Depending on your TV, certain HDMI output resolutions may not work. Please refer to the user manual of your TV.
- When you connect the product to your TV for the first time using an HDMI cable or connect it to a new TV using an HDMI cable, it will automatically set the HDMI output resolution to the highest supported by the TV.
- A long HDMI cable may cause screen noise. If this occurs, set Deep Color to Off in the menu.
- If the product is connected to your TV in the HDMI 720p, 1080i, or 1080p output mode, you must use a High speed (category 2) HDMI cable.
- HDMI outputs only a pure digital signal to the TV.
  If your TV does not support HDCP (High-bandwidth Digital Content Protection), random noise appears on the screen.

CONNECTING TO AN AUDIO SYSTEM



1. Connect the product to an audio system using one of the two methods illustrated above.
2. Turn on the product, audio system, and TV.
   - Do not connect the power cord until you have made all the other connections.
   - When you change the connections, turn off all devices before you start.
3. Press the input selectors of the connected audio system and TV until the video signal from the product appears on your TV and you hear the audio signal through your audio system.

Method 1) Connecting to an HDMI supported AV receiver

- Use an HDMI cable (not included)

Method 2) Connecting to an AV receiver with Optical input

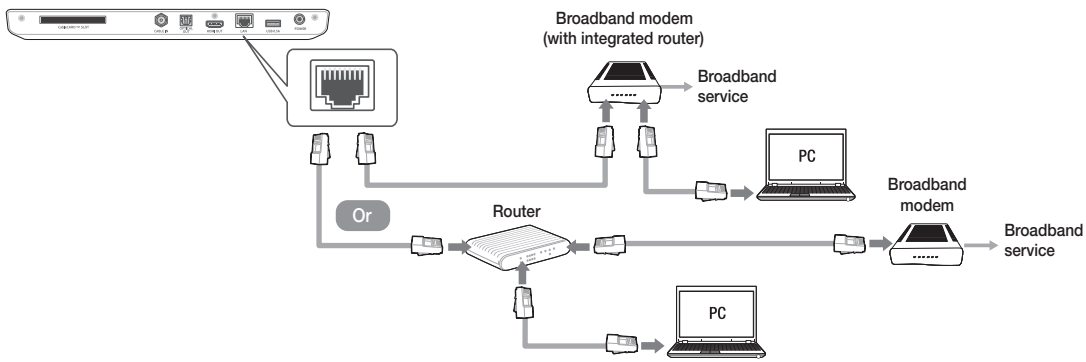
- Use an Optical Cable (not included)
- You will hear sound only through the front two speakers with Digital Output set to PCM.

▸ Please refer to page 31 for detailed information.

CONNECTING TO A NETWORK ROUTER

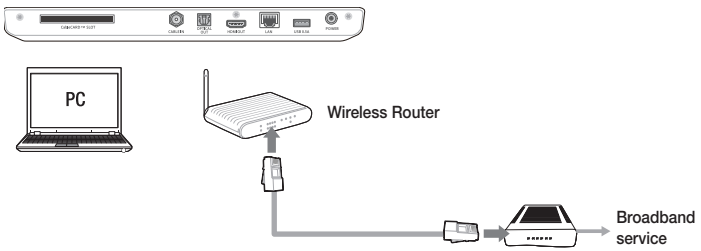
You can connect your product to your network router using one of the methods illustrated on page 18 or 19.

Wired Network



- Internet access to Samsung's software update server may not be allowed, depending on the router you use or your ISP's policy. For more information, contact your ISP (Internet Service Provider).
- DSL users, please use a router to make a network connection.
- To use the Samsung Link function with your PC, you must connect your PC to your network.

Wireless Network



- If the wireless router supports DHCP, your product can use a DHCP or static IP address to connect to the wireless network.
- Set your wireless router to Infrastructure mode. Ad-hoc mode is not supported.
- The product supports only the following wireless security key protocols:
  - WEP (OPEN/SHARED), WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES)
- Select a channel on the wireless router that is not currently being used. If the channel set for the wireless router is currently being used by another device nearby, it will result in interference and communication failure.
- In compliance with the newest Wi-Fi certification specifications, this product does not support WEP, TKIP, or TKIP-AES (WPS2 Mixed) security encryption in networks running in the 802.11n mode.
- If your router supports WPS (Wi-Fi Protected Setup), you can connect to the network via PBC (Push Button Configuration) or PIN (Personal Identification Number). WPS will automatically configure the SSID and WPA key in either mode.
- Wireless LAN, by its nature, may cause interference, depending on the operating conditions (router performance, distance, obstacles, interference by other radio devices, etc).
- To use the Samsung Link function with your PC, you must connect your PC to your network.
- Web Authentication based Internet services, such as Hotel on Office networks, are not supported during the Initial Installation.

CONNECTING THE POWER

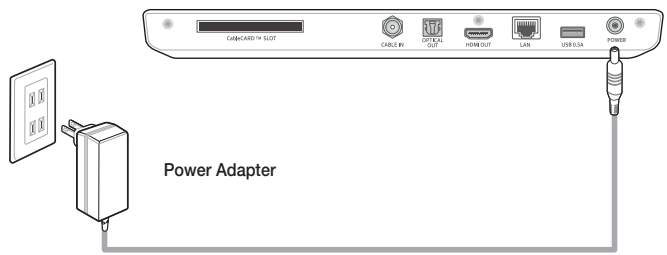
After connecting your Smart Media Player to your TV and audio system, connect the included power adaptor to the Smart Media Player, and then plug the power adaptor into a wall socket. When you plug in the power adapter for the first time, the Smart Media Player will turn on automatically and display the Initial Settings screen.

To turn off the product, press the **Power** button on your remote control. To turn it on, press the **Power** button again.

If you turn off the product by pressing the **Power** button on your remote control, the product can be in one of two states:

- **Active Standby mode**: If the **Quick Start** option is set to **On**.
  The POWER LED is turned off, but the NETWORK LED will flash on and off, depending on the network status.
- **Deep Sleep mode**: If the **Quick Start** option is set to **Off**.
  Both the POWER LED and the NETWORK LED are turned off.

See page 45 for more information about the **Quick Start** option. (The setting you choose impacts the power consumption of the product when it is off.)



▸ If power is disconnected from the Smart Media Player while it is operating normally, the product will turn on automatically when power is reconnected.

▸ If the Smart Media Player has been turned off or left unplugged for more than 1 week, the device may lose authorization for cable TV services. To restore cable TV services, please contact your cable service provider.

Settings

THE SETUP PROCEDURE

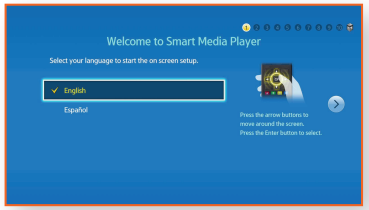
- The Home screen will not appear if you do not configure the initial settings.
- The OSD (On Screen Display) of this product may change after you upgrade the software version.
- The access steps may differ depending on the menu you selected.

Turn on your TV after connecting the Smart Media Player. When you connect the Smart Media Player to a TV for the first time, the product turns on automatically and the Initial Settings screen appears. See the Initial Settings Procedure below.

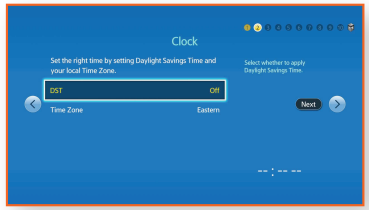
- When you connect the power to the Smart Media Player for the first time, the product turns on automatically. This is normal operation.
- PIN : The default security PIN is 0000. You can enter the PIN using the number buttons on your remote. To change the PIN, go to System ➡ Security ➡ Change PIN in the system menu.

Run the Initial Settings procedure

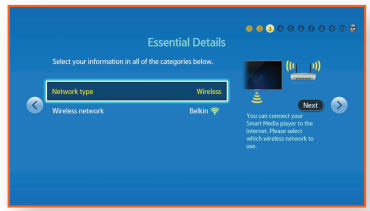
1. Plug in the Smart Media Player, and then turn on your TV. When you connect the Smart Media Player to a TV for the first time, the product turns on automatically and the Initial Settings language screen appears. If the Language screen does not appear, change the TV's source setting to the source you've connected the product to (for example, HDMI 1, HDMI 2). For instructions, see your TV's user's manual.
2. Use the ▲▼ buttons to choose a language, and then press the ⏎ button.



3. Press the ⏎ button. Use the ▲▼ buttons to set Daylight Savings on or off, and then press the ⏎ button. Setting it on sets the time one hour ahead. Press the ▼ button and then press the ⏎ button. Select your Time Zone and then press the ⏎ button. Press the ▶ button, and then press the ⏎ button.

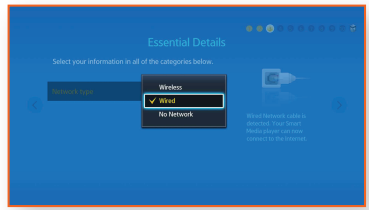


4. On the Essential Details screen, Select Network type, and then press the ⏎ button. Select your Network type from the list, and then press the ⏎ button. If you have no network, select No Network.



> ▸ If you have connected a cable to the product's LAN port, Network type defaults to Wired.

5. If you selected **Wired**, go to Step 6. If you selected **Wireless**, go to Step 10. If you selected **No Network**, go to Step 16.

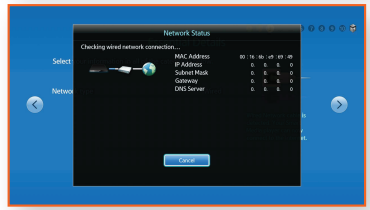


> ▸ To use a CableCARD, you must connect your product to your network and the Internet.

6. Press the ▶ button, and then press the ⏎ button. The Network Checking screen appears and the Smart Media Player automatically verifies your wired network.

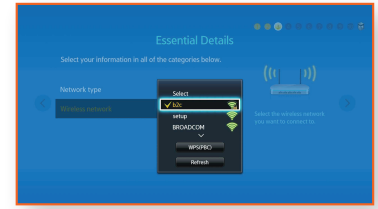
7. When verification is complete, the Network Setting screen appears displaying a confirmation message.

8. Select **Close**, and then press the ⏎ button. The Connect RF Cable screen appears.

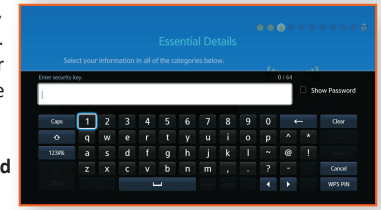


9. If you have not installed a CableCARD and not connected a Tuning Adaptor, go to Step 16. If you have installed a CableCARD, but have not connected a Tuning Adaptor, go to Step 18. If you have installed a CableCARD and connected a Tuning Adapter, go to Step 19.

10. If you selected **Wireless**, the Smart Media Player automatically searches for and then lists all the wireless networks within range. Use the ▲▼ buttons to select your wireless network from the list, and then press the ⏎ button. The keyboard appears.

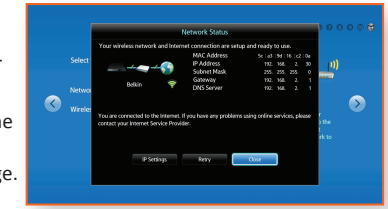


11. If your network has a security key, use the keyboard to enter the key. Press the number buttons on your remote to enter numbers. Use the keyboard to enter letters.
If you want to display the key as you enter it, select **Show Password** on the right. When done, use the ▲▼◀▶ buttons to select **Done**, and then press the ⏎ button.
If you have no key, go to Step 13.



12. The Network Checking screen appears and the Smart Media Player automatically verifies your wireless network.

13. When verification is complete, the Network Setting screen appears displaying a confirmation message.



14. Select **Close**, and then press the ⏎ button. The Connect RF Cable screen appears.

15. If you have not installed a CableCARD and not connected a Tuning Adaptor, go to Step 16. If you have installed a CableCARD, but have not connected a Tuning Adaptor, go to Step 18. If you have installed a CableCARD and connected a Tuning Adapter, go to Step 19.

16. If you have not connected the RF cable from your cable outlet to your product, do it now. Once you have connected the cable, press the ▶ button, and then press the ⏎ button. If you have already connected the RF cable, press the ▶ button, and then press the ⏎ button.

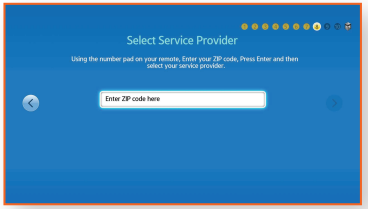
- The RF cable connects your product to the video transmissions from your cable company. If you don't use an RF cable, select "I don't use an RF cable" at the bottom of the screen, and then go to Step 26. Note that without an RF cable connection, you won't be able to watch TV broadcasts.
  If you have no network or have not connected the product to your network, go to Step 23.

17. If your cable company provided a CableCARD, insert the card into the slot on the back of the Smart Media Player. The "CableCARD is inserted" message appears. Press the ⏎ button, and then go to Step 18. If your CableCARD is already installed, press the ⏎ button, and then go to Step 18. If you did not get a CableCARD or want to use your product without a CableCARD, select "I don't use a CableCARD". Then, press the ⏎ button, and go to Step 23.

18. If your cable company provided a Tuning Adapter (SDV), and you have not connected it, connect it to the Smart Media Player now. When done, press the ▶ button, and then press the ⏎ button. The Zip Code screen appears. For additional information about the the Tuning Adapter, refer to the users manual provided by your Cable Service Provider.

- Do not connect the USB cable to the Tuning Adapter and the Smart Media Player until after the Tuning Adapter LED light is solid.

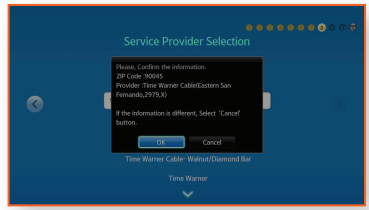
19. Enter your Zip Code into the Zip Code field using the number buttons on the remote. If you make a mistake, press the ◀ button to delete the mistake. When done, press the ⏎ button.



20. In the list that appears, select your cable provider, and then press the ⏎ button. The Confirmation window appears.

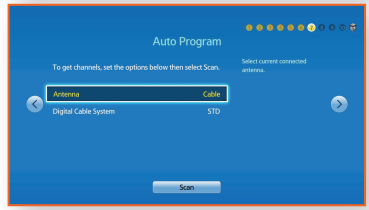
21. Press the ⏎ button to confirm the information is correct.

22. The Smart Media Player downloads your provider's information. When it is done, the Provider Setup complete window appears. Press the ⏎ button. The Smart Hub Terms and Conditions screen appears. Go to Step 26.



23. If you did not insert a CableCARD or have no network, the Auto Program screen appears. Press the ▼ button to select the Digital Cable field, and then press the ⏎ button.

24. Select the kind of digital cable system you have, and then press the ⏎ button. In most cases, you would select STD. When done, select Scan at the bottom of the screen, and then press the ⏎ button.

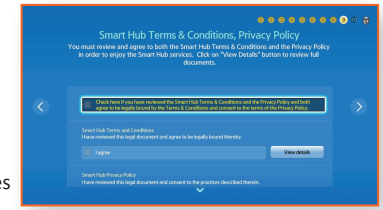


25. Scanning can take between 30 minutes and an hour, depending on the number of channels your cable system has. When scanning is complete, a screen appears on the right displaying a live channel. Press the ⏎ button. If you have connected the Smart Media Player to your network, the Smart Hub Terms and Conditions screen appears. Go to Step 26.

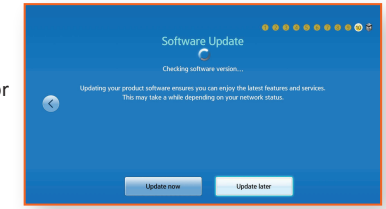
- If you have no network or have not connected the Smart Media Player to your network, skip Steps 26, 27 and 28, and go to Step 29.

26. Review and then agree to the Terms and Conditions by pressing the ⏎ button. Press the ⏎ button again to continue.

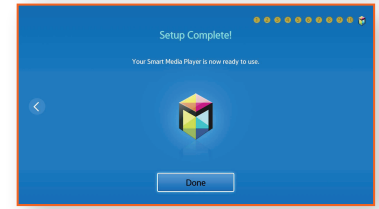
27. Review and then agree to the Supplemental Terms and Conditions and the Privacy Notices by pressing the ⏎ button. Press the ⏎ button again to continue.


Smart Hub Terms & Conditions, Privacy Policy
You must review and agree to both the Smart Hub Terms & Conditions and the Privacy Policy in order to enjoy the Smart Hub services. Click on "View Details" button to review full documents.
Check here if you have reviewed the Smart Hub Terms & Conditions and the Privacy Policy and both agree to be legally bound by the Terms & Conditions and consent to the terms of the Privacy Policy.
Smart Hub Terms and Conditions
I have reviewed this legal document and agree to be legally bound thereby.
I agree
View details
Smart Hub Privacy Policy
I have reviewed this legal document and consent to the practices described therein.

28. Updating your product software ensures you can enjoy the latest features and services. Press the ▶ button to select Update now or Update later, and then press the ⏎ button.


Software Update
Checking software version...
Updating your product software ensures you can enjoy the latest features and services.
This may take a while depending on your network status.
Update now
Update later

29. Setup is complete! Press the ⏎ button to exit.



THE HOME SCREEN

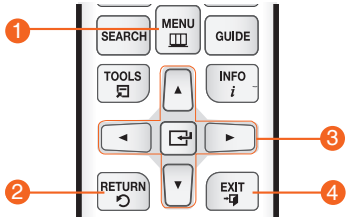
❶	**Guide** : View the program schedule, select programs to watch, and view information about future programs.
❷	**Movies & TV Shows** : Access and watch video on demand (VOD) provided by Samsung.
❸	**Apps** : Access various for pay or free-of-charge applications.
❹	**Photos, Video & Music** : Play videos, photos, or music content from USB devices, PCs, or mobile devices.
❺	**Netflix** : Watch TV shows and movies online provided by Netflix.
❻	**Settings** : Set various functions to suit your personal preferences.

- When the Home Screen is displayed, the Smart Media Player will switch to DTV Channel mode if there is no user activity for 3 minutes.
  When the Settings menu is dislayed, the product will activate the Screen Saver if there is no user activity for 60 minutes.
  If there is no user operation for 4 hours, the product will turn off to save power. However, if "**Auto Power Off**" is set to **Off**, the power will not turn off automatically .

ACCESSING THE SETTINGS SCREEN

1. Select Settings on the Home screen, and then press button. The Settings menu screen appears.
2. To access the Settings menus, sub-menus, and options, please refer to the remote control illustration and the Settings Control Button table below.

Remote Control



Settings Control Button Table

❶	**MENU** Button : Press to move to the Home screen.
❷	**RETURN** Button : Return to the previous menu.
❸	**(Enter) / DIRECTION** Buttons : Press ▲▼◀▶ to move the cursor or select an item. Press the button to activate the currently selected item or confirm a setting.
❹	**EXIT** Button : Press to exit the current menu.

DISPLAY

You can configure various display options such as the TV Aspect Ratio, Resolution, etc.

TV Aspect Ratio

Lets you adjust the output of the Smart Media Player to the screen size of your TV.

- **16:9 Original** : Select when you connect the product to a 16:9 TV screen. The product will display all content in its original aspect ratio. Content formatted in 4:3 will be displayed with black bars on the left and right.
- **16:9 Full** : Select when you connect the product to a 16:9 TV screen. All content will fill the full screen. Content formatted in 4:3 will be stretched.
- **4:3 Letter Box** : Select when you connect the product to a 4:3 TV screen. The product will display all content in its original aspect ratio. Content formatted in 16:9 will be displayed with black bars on the top and bottom.
- **4:3 Pan-Scan** : Select when you connect the product to a 4:3 TV screen. 16:9 content will have the extreme left and right portions cut off.

- Depending on the video format, some aspect ratios may not be available.
- If you select an aspect ratio and option which is different from the aspect ratio of your TV screen, picture might appear to be distorted.
- If you select **16:9 Original**, your TV may display 4:3 Pillarbox (black bars on sides of picture).

BD Wise (Samsung Products only)

When you connect a Samsung product and a Samsung TV with BD Wise to each other via HDMI, and BD Wise is on in both the Smart Media Player and TV, the product outputs video at the video resolution and frame rate of the video content.

- **Off** : The output resolution stays fixed at the resolution you set previously in the Resolution menu, regardless of the resolution of the video content. See Resolution on the next page.
- **On** : The product outputs video at the original resolution and frame rate of the video content.

- When BD Wise is on, the Resolution setting automatically defaults to BD Wise and BD Wise appears in the Resolution menu.
- If the Smart Media Player is connected to a device that does not support BD Wise, you cannot use the BD Wise function.
- For proper operation of BD Wise, set the BD Wise menu of both the Smart Media Player and the TV to **On**.

Resolution

Set the output resolution of the HDMI video signal. The number indicates the number of lines of video per frame. The i and p indicate interlaced and progressive scan, respectively. The more lines, the higher quality.

- **BD Wise** : Automatically sets the resolution to the resolution of the video content if you have connected the Smart Media Player via HDMI to a TV with the BD Wise feature. (The BD Wise menu item appears only if BD Wise is set to On. See BD Wise on the previous page.)
- **Auto** : Automatically sets the output resolution to the connected TV's maximum resolution.
- **1080p** : Outputs 1080 lines of progressive video.
- **1080i** : Outputs 1080 lines of interlaced video.
- **720p** : Outputs 720 lines of progressive video.
- **480p** : Outputs 480 lines of progressive video.

- Depending on the video format, some aspect ratios may not be available.
- If you select an aspect ratio and option which is different from the aspect ratio of your TV screen, the picture might appear to be distorted.
- If you select the 16:9 Original in TV Aspect Ratio, your TV may display 4:3 Pillarbox (black bars on sides of picture).

Resolution according to the output mode

Resolution	E-contents/Digital contents/DTV	Resolution	E-contents/Digital contents/DTV
BD Wise	1080p	1080i	1080i
Auto	Max. Resolution of TV input	720p	720p
1080p	1080p	480p	480p

DTV Smart Resolution

Use this function if you are using a TV/Projector/AV Receiver which incorporates a high-quality video processor and you want the Smart Media Player to transmit video in its original resolution to the processor.

- **Auto** : The Smart Media Player outputs unprocessed video in its original resolution.
- **Off** : The Smart Media Player outputs at the resolution you have selected in the Resolution option. (See page 28.)

- If you set this function to auto and the video resolution the Smart Media Player is outputting changes because the video resolution of the TV program you are now watching differs from the previous program, you may experience these effects:
  - When you change channel, it take longer for theTV display the picture.
  - The picture on your TV blinks once when the resolution changes.

  If you do not want these effects to occur, set DTV Smart Resolution to **Off**. (This is the default.)
- The DTV Smart Resolution function is active only if the Resolution option is set to **Auto**.
- If your TV does not support the original video resolution of a TV program, the video output is changed to a resolution your TV supports.

Movie Frame (24Fs)

If the Smart Media Player is connected to a 24Fs compatible TV, setting the Movie Frame (24Fs) feature to Auto lets the product adjust its HDMI output to 24 frames per second automatically for improved picture quality. You can enjoy the Movie Frame (24Fs) feature only on a TV supporting this frame rate. Movie Frame is only available when the product is in the 1080p output resolution mode and the content you are watching is encoded in the 24 frame per second format.

- **Auto** : The Movie Frame (24Fs) function is on.
- **Off** : The Movie Frame (24Fs) function is off.

Smart Hub Screen Size

Sets the Smart Hub Screen to the optimal size.

HDMI Color Format

Lets you set the color space format for the HDMI output so that it matches the capabilities of the connected device.

- **Auto** : Automatically set the optimum format supported by the connected display device.
- **YCbCr (4:4:4)** : Recommended when connected to a display that supports YCbCr (4:4:4).
- **RGB (Standard)** : Recommended when connected to a display that does not support the YCbCr format. Outputs the normal range of RGB Colors.
- **RGB (Enhanced)** : Select this for output of an enhanced range of RGB Colors. Not recommended for general use because it will increase the contrast between black and white.

HDMI Deep Color

Lets you set the Smart Media Player to output HDMI video with Deep Color. Deep Color provides more accurate color reproduction with greater color depth.

- **Auto** : The product outputs video with Deep Color to a connected TV which supports HDMI Deep Color.
- **Off** : The picture is output without Deep Color.

Progressive Mode

Optimize picture quality for video or film-based programs.

- **Auto** : Select to have the product automatically select the best Progressive Mode.
- **Video** : Select for the best picture quality for Video based programs.

AUDIO

Digital Output

Lets you select the digital audio output format that is suitable for your TV or AV Receiver.

- **PCM** : PCM is the default setting and offers the best compatibility with most TV and AV Receivers.
  The Smart Media Player always outputs sound in the PCM format.
  Select PCM if you want to use the product's Volume Control function.
- **Bitstream (Unprocessed)** : Select Bitstream if you have connected the Smart Media Player to an AV receiver or home theater and want to hear Multi-channel Dolby Digital or Dolby Digital plus sound. If you select Bitstream, you must use the volume control on the receiver or home theater to control the volume.

- Be sure to select the correct Digital Output or you will hear no sound or a loud noise.
- If the HDMI device (AV receiver, TV) is not compatible with compressed formats (Dolby Digital), the audio signal outputs as PCM.

Digital Output Selection

Condition	PCM		Bitstream (Unprocessed)	
	HDMI Out	Optical Out	HDMI Out	Optical Out
Dolby Digital	PCM 2ch	PCM 2ch	Dolby Digital	Dolby Digital
Dolby Digital Plus	PCM 2ch	PCM 2ch	Dolby Digital Plus(1)	Dolby Digital
HE AAC	PCM up to 5.1ch(2)	PCM 2ch	PCM up to 5.1ch(2)	PCM 2ch
MPEG Layer 2 and etc.	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch

(1) If your AV Receiver does not support Dolby Digital Plus, the Bitstream Output via HDMI converts to Dolby Digital.
(2) If the Smart Media Player is connected to a TV only, the output is always PCM stereo.

Dynamic Range Control

Lets you adjust the volume so that the difference between very loud and very quiet sound is reduced.
This function works only when the Smart Media Player outputs Dolby Digital or Dolby Digital Plus sound in PCM format.

- **RF Mode** : Compresses the dynamic range of the sound so that it is optimized for TV speakers.
- **Standard** : Reduces the difference between very loud and very quiet sound for a more comfortable listening.
- **Maximum** : Lets you can experience the original dynamic range of the sound.

▸ If the Smart Media Player outputs Dolby Digital or Dolby Digital Plus Audio in Bitstream format, the AV Receiver connected to this product controls the dynamic range of the sound.

Downmixing Mode

Select the Downmix method for stereo output.

- **Normal Stereo** : Downmixes the multi-channel audio into two channel stereo. Choose when the Smart Media Player is connected to equipment that does not support virtual surround functions such as Dolby Pro Logic.
- **Surround Compatible** : Downmixes multi-channel audio into surround compatible stereo. Choose when the Smart Media Player is connected to equipment that supports virtual surround functions such as Dolby Pro Logic.

Audio Sync

In some cases, when the Smart Media Player is connected to a digital TV, the audio signal may not synchronize with the video signal. If this occurs, adjust the audio delay time to match the video signal.

- You can set the audio delay time between 0 msec and 200 msec. Adjust it to the optimal setting.

▸ The audio delay time you specify may not be exact depending on the played content.

BROADCASTING

Configure, manage, and access channels, create and edit favorites, block channels inappropriate for children.

Auto Tuning

Automatically scans and indexes all channels received through the Smart Media Player's cable input connector. The channels in the index of channels then appear when you press the **CH** button on your remote.

- If there is an existing index of channels, it will be overwritten.

To run the Auto Tuning function, follow these steps:

1. Navigate to Broadcasting and select Auto Program.
2. Select Start when prompted, and then press button.
3. Select the Digital Cable System field, and then press button. In the drop down, select your Cable System type, and then press button. In most cases, you would select STD (Standard).
4. Select the Scan button on the bottom of the screen, and then press button.
   - Depending on the number of channels that are available in your cable system, the scanning process can take up to 1 hour.
5. When scanning is complete, you should see a live TV channel displayed in a window on the right.
6. Select the Close button on the bottom right side of the screen, and then press button.

Channel List

The Channel List displays the list of channels memorized and indexed during the Auto Scanning process. On the Channel List screen you can select and change channels, view indexed channels by various categories (Added Ch, etc.), and view and access Favorites. See page 55 for additional details.
The Channel List screen icons indicate the following:

- A : An analog channel
- : A favorite channel
- : A Schedule Viewing reserved channel
- : A locked channel

Change Channels

Select a channel to jump to it right away. To scroll through the list of channels one at a time, use the ▲▼ buttons. To quickly scroll through the list a page at a time, use the channel up/down buttons. Press the button to jump to the selected channel.

Change the Channel List

Press the ▶ button to display the Channel list by category (Added Ch., Favorites, etc.). However, you can select the Favorites list only if it contains at least one favorite channel. If no favorite channel have been added, you can select Edit Favorites and add channels to a Favorite List on the Edit Favorites screen.

Edit Channel

You can remove channels from the index and from channel categories such as Recently Viewed, restore removed channels, lock and unlock channels, access and edit favorites. See page 55 for additional details.

The Edit Channel displays the following icons:

- A : An analog channel
- : A favorite channel
- : A locked channel

With the Edit Channel screen displayed, press the TOOLS button on your remote to access the following options:

Category: The TV's channel index is divided into different categories such as **Added Ch.**, **Recently Viewed**, and **Mostly Viewed**. Choose a category.

Edit Favorites: You can designate frequently watched channels as favorites. For details, see "Edit Favorites".

Information: View detailed information about the current program.

Edit Favorites

You can designate frequently watched channels as favorites. Favorite channels are identified in Edit Channel and the channel list screens with the ♥ symbol. You can create up to 5 favorite channel lists. You can also rename and edit favorite channel lists. See page 58 for additional details.

Preferred Language

Lets you listen to a broadcast in a language other than your preferred language. You can select English, Spanish or French.

- Digital broadcasts are capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of a program into foreign languages).

Program Rating Lock

The Program Rating Lock feature lets you block programs based on their ratings. This is useful for controlling what children watch on TV. Program Rating Lock does not block programs originating from external sources, such as DVD players or USB files.

Every time you access the Program Rating Lock feature, you must enter a PIN. You must also enter this PIN to watch a blocked program. The default PIN is 0000.
To change the PIN, go to **System ➡ Security ➡ Change PIN**.

The Program Rating Lock is available only when you are watching broadcast, cable TV.

Blocking Programs Using the TV Rating

Locks and ratings are displayed in a table. To block content, select a rating entry to lock. All programs at that level and higher are blocked and require that you enter the PIN to watch. To unblock a category, click the lock icon. To unblock all the categories in a row, click the lock under ALL.

Categories on the left:

- **TV-Y**: Young children
- **TV-Y7**: Children 7 and over
- **TV-G**: General audience
- **TV-PG**: Parental guidance
- **TV-14**: Viewers 14 and over
- **TV-MA**: Mature audience

Categories on the top:

- **ALL**: Lock all TV ratings.
- **FV**: Fantasy violence
- **V**: Violence
- **S**: Sexual situations
- **L**: Adult Language
- **D**: Sexually Suggestive Dialog

Blocking Based on Movie Rating (MPAA)

Block movies based on their MPAA rating. This applies to all material with supplied ratings in the USA.

From the MPAA:

"The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or guardians with advanced information on which films are appropriate for children."

Click a lock beside one of the rating categories to block that category and all higher categories. To unblock a category, select the lock icon.

- **G**: General audience (no restrictions).
- **PG**: Parental guidance suggested.
- **PG-13**: Parents strongly cautioned.
- **R**: Restricted. Children under 17 should be accompanied by an adult.
- **NC-17**: No children under age 17.
- **X**: Adults only.
- **NR**: Not rated.

CableCARD Info

The Cable Card Info screen displays information about your cable card such as vendor, serial number, etc.

Tuning Adapter Info

If you have connected an SDV adapter to your product, the SDV Diagnostic screen displays diagnostic information about the SDV adapter.

NETWORK

When you connect this product to a network, you can use network based applications and functions, and upgrade the Smart Media Player's software through the network connection. For more information about accessing and using Internet services, see the Network Services chapter of this manual on pages 74~90. Instructions for configuring the network connection start below.

Network Status

Lets you check the current network and Internet status.

Network Settings

Before you begin, contact your ISP to find out if your IP address is static or dynamic. If it is dynamic, and you have a wired or wireless network, we recommend using the Automatic configuration procedures described below.

If you are connecting to a wired network, connect the Smart Media Player to your router using a LAN cable before you start the configuration procedure.
If you are connecting to a wireless network, disconnect any wired network connection before you begin, and confirm that your router is on.
To begin configuring your network connection, follow these steps:

Wired Network

◈ Wired - Automatic

1. In the Home screen, select **Settings**, and then press the button.
2. Select **Network**, and then press the button.
3. Select **Network Settings**, and then press the button.
4. Select **Wired** in the Network Settings screen, and then press the button.
5. Select the **Connect** button, and then press the button. The Smart Media Player detects the wired connection, verifies the network connection and then connects to the network.

◈ Wired - Manual

If you have a static IP address or the Automatic procedure does not work, you'll need to set the Network Settings parameters manually.
Follow Steps 1 and 2 in Wired Network, and then follow these steps:

1. Select **Network Status**. The Smart Media Player searches for a network, and then displays the connection failed message.
2. On the bottom of the screen, select **IP Settings**, and then press the button. The IP Settings screen appears.
3. Select the **IP Setting** field, and then press the button.
4. Select **Enter manually** in the IP Setting field, and then press the button.
5. Select a parameter to enter (IP Address, for example), and then press the button.
   Use the number keypad on your remote control to enter the numbers for the parameter. You can also enter numbers using the ▲▼ buttons. Use the ◄► buttons on the remote control to move from entry field to entry field within a parameter. When done with one parameter, press the button.
6. Press the ▲ or ▼ button to move to another parameter, and then enter the numbers for that parameter following the instructions in Step 5.
7. Repeat Steps 5 and 6 until you have filled in all parameters.

> ▸ You can get the Network parameters from your Internet provider.

8. When finished entering all the parameters, select **OK**, and then press the button. The Smart Media Player verifies the network connection and then connects to the network.

Wireless Network

You can setup a wireless network connection in four ways:

- Wireless Automatic
- Wireless Manual
- WPS(PBC)
- WPS(PIN)

When you configure the wireless network connection, any wireless network devices currently connected through the Smart Media Player or, if applicable, the product's current wired connection, will be disconnected.

◈ Wireless - Automatic

1. In the Home screen, select **Settings**, and then press the button.
2. Select **Network**, and then press the button.
3. Select **Network Settings**, and then press the button.
4. Select **Wireless** in the Network Settings screen, and then press the button. The Smart Media Player searches for and then displays a list of the available networks.

5. Select the desired network, and then press the button.
6. On the Security screen, enter your network's Security Code or Pass Phrase.
   Enter numbers directly using the number buttons on your remote control. Enter letters by selecting a letter with an arrow button, and then pressing button.

> ▸ To view the password as you enter it, use the arrow buttons to select Show Password on the right side, and then press button.

7. When done, select **Done** and then press the button. The Smart Media Player verifies the network connection and then connects to the network.
8. When verification is complete, select **OK**, and then press the button.

> ▸ You should be able to find the Security Code or Pass Phrase on one of the set up screens you used to set up your router or modem.

◈ Wireless - Manual

If you have a static IP address or the Automatic procedure does not work, you'll need to set the Network Settings parameters manually.

1. Follow the directions in Wireless - Automatic through Step 5.
2. The Smart Media Player searches for a network, and then displays the connection failed message.
3. On the bottom of the screen, select **IP Settings**, and then press the button. The IP Settings screen appears.
4. Select the **IP Setting** field, and then press the button.
5. Select **Enter manually** in the IP Setting field, and then press the button.
6. Select a parameter to enter (IP Address, for example), and then press button. Use the number keypad on your remote control to enter the numbers for the parameter. You can also enter numbers using the ▲▼ buttons. Use the ◄► buttons on the remote control to move from entry field to entry field within a parameter. When done with one parameter, press the button.
7. Press the ▲ or ▼ button to move to another parameter, and then enter the numbers for that parameter following the instructions in Step 6.
8. Repeat Steps 6 and 7 until you have filled in all parameters.

> ▸ You can get the Network parameters from your Internet provider.

9. When finished, select **OK**, and then press the button. The Security Screen appears.
10. On the Security screen, enter your network's Security Code or Pass Phrase. Enter numbers directly using the number buttons on your remote control. Enter letters by selecting a letter with the ▲▼◄► buttons, and then pressing the button.
11. When finished, select **Done** at the right of the screen, and then press the button.
    The Smart Media Player verifies the network connection and then connects to the network.
12. After the Smart Media Player verifies the network, select **OK**, and then press the button.

◈ WPS(PBC)

1. In the Home screen, select **Settings**, and then press the button.
2. Select **Network**, and then press the button.
3. Select **Network Settings**, and then press the button.
4. Select **Wireless** in the Network Settings screen, and then press the button.
5. Use the ▼▶ button on your remote control to select the **WPS(PBC)**.
6. Press the button on your remote. The "**Press the PBC button**" message appears.
7. Press the WPS(PBC) button on your router within two minutes. Your product automatically acquires all the network settings values it needs and connects to your network.
   The Network Status screen appears. The Smart Media Player connects to the network after the network connection is verified.

◈ WPS(PIN)

Before you begin, open the router's setup menu on your PC and access the screen with the WPS PIN entry field.

1. In the Home screen, select **Settings**, and then press the button.
2. Select **Network**, and then press the button.
3. Select **Network Settings**, and then press the button.
4. Select **Wireless** in the Network Settings screen, and then press the button. The Smart Media Player searches for and then displays a list of the available networks.
5. Select the desired network, and then press the button.
6. Select the **WPS(PIN)**, and then press the button. The PIN pop-up appears.
7. Enter the PIN into the WPS PIN entry field in the router's Set Up screen and then save the the screen.

- Contact the manufacturer of the router for instructions explaining how to access the route's Set Up screens or refer to the router's user's manual.
- For a WPS connection, set your wireless router’s security encryption to AES. WPS does not support WEP security encryption.

Wi-Fi Direct

The Wi-Fi Direct function allows you to connect Wi-Fi Direct devices to the Smart Media Player and each other using a peer-to-peer network, without a wireless router.

- Some Wi-Fi Direct devices may not support the Samsung Link function if connected via Wi-Fi Direct. If this is the case, we recommend changing the network connection method between the devices.
- Bluetooth transmissions can interfere with the Wi-Fi Direct signal. Before you use the Wi-Fi Direct function, we strongly recommend that you turn off the Bluetooth function of any active mobile device.

1. Turn on the Wi-Fi direct device and activate its Wi-Fi Direct function.
2. In the Home screen, select **Settings**, and then press the button.
3. Select **Network**, and then press the button.
4. Select **Wi-Fi Direct**, and then press the button.
   The Wi-Fi Direct devices that your product can connect to appear.
5. You have three ways to complete the Wi-Fi connection:
   - Through the Wi-Fi device.
   - Through the Smart Media Player using PBC.
   - Through the Smart Media Player using a PIN.

   Each is covered below.

Through the Wi-Fi Device

1. On the Wi-Fi device, follow the procedure on the device for connecting to another Wi-Fi Direct device. See the device's user manual for instructions.
2. When you have completed the procedure, you should see a pop-up on your TV screen saying that a device that supports Wi-Fi Direct has requested to connect. Select **OK**, and then press the button to accept.
3. The Connecting pop-up appears, followed by the Connected pop-up. When it closes, you should see the device listed on the Wi-Fi Direct screen as connected.

Through the Smart Media Player Using PBC

1. Select the Wi-Fi Direct device you want to connect to this product, and then press the button. The PBC/PIN pop up appears.
2. Select PBC, and then press the button. The PBC pop-up appears.
3. Press the PBC button on the Wi-Fi Direct device within 2 minutes.
4. The Connecting pop-up appears, followed by the Connected pop-up. When it closes, you should see the device listed on the Wi-Fi Direct screen as connected.

Through the Smart Media Player Using a PIN

1. Select the Wi-Fi Direct device you want to connect to this product, and then press the button. The PBC/PIN pop up appears.
2. Select PIN, and then press the button. The PIN pop-up appears.
3. Note the PIN code in the pop-up, and then enter it into the appropriate field in the Wi-Fi Direct device you want to connect.
4. The Connecting pop-up appears, followed by the Connected pop-up. When it closes, you should see the device listed on the Wi-Fi Direct screen as connected.

- The current wired or wireless network connection will be disconnected when you use the Wi-Fi Direct function.
- Text files, such as files with a .TXT or .DOC extension, will not display when you are using the Wi-Fi Direct function.

Device Name

Assign a unique name to your product that will identify it in your network.

When you select **Device Name**, the on-screen keyboard appears. Select letters, numbers, or symbols by pressing the arrow buttons on your remote until the focus highlight reaches the letter, number, or symbol you want. Press the button to select. Repeat this procedure to select additional characters. When finished, select **Done** on the keyboard in the same way. For additional instructions on using the keyboard, see 'Entering Text using the On-Screen Keypad'.

SMART FEATURES

Set your preferences for using Apps.

Apps Settings

Lets you configure App notification settings and view basic info about your Apps.

Auto Ticker

Configure selected tickers to display automatically when the TV is turned on. A ticker is a service that displays stock values, news, and weather updates on the screen in real-time. Enabling the Ticker service brings you up-to-the-minute information while you watch TV. From the Auto Ticker list, select the applications to run. If a selected application has not been installed on your TV, you will need to download and install it first through Smart Hub using Samsung Apps.

Push Notification Settings

Enable/disable push notifications from the publishers of applications you have downloaded to your TV. Push notifications are displayed on the screen as you watch TV. You can select notifications to open them and view their content.

Channel-Bound Apps

Channel-Bound Apps are available on certain channels. These apps provide additional services for or information about the program you are watching currently. You can set this function on or off.

Properties

View the Samsung Apps version, your TV's memory usage status, and the TV's serial number.

Terms & Conditions, Privacy Policy

Displays the Smart Hub Terms and Conditions and Privacy Policy. You must review and agree to the Terms & Conditions and the privacy policy to enjoy App services.

Reset Smart Hub

Reset the App services and Samsung account settings stored on your device. Smart Hub Reset removes all Samsung accounts and everything linked to them, including apps, from your device. You must enter your password (PIN) to access this option.

SYSTEM

Setup

Lets you re-run the Initial Settings procedure. See the Quick Start Guide for details.

Quick Start

Lets you set the Smart Media Player to turn on quickly by decreasing the boot time.

- **With Quick Start On**: When you turn off the Smart Media Player, it will go into **Active Standby mode**.
  In this state, the product starts up faster. However, **Active Standby mode** consumes more electricity than **Deep sleep mode**.
- **With Quick Start Off**: When you turn off the Smart Media Player, it will go into **Deep Sleep** mode,
  Deep Sleep mode consumes less electricity than **Active Standby** mode. However, the product's boot time is longer.

▸ Even if you have set **Quick Start** to **On**, the product will go into **Deep Sleep mode** after being in **Active Standby mode** for 8 hours.

▸ If the Smart Media Player has been turned off or left unplugged for more than 1 week, the device may lose authorization for cable TV services. To restore cable TV services, please contact your cable service provider.

Language

You can select the language you prefer for the On-screen menu, etc.
The selected language will only appear if it is supported.

Device Manager

Setup input devices such as a keyboard, mouse, or smartphone to use with this product. You can view lists of input devices to select from and adjust the settings of connected devices.

Samsung Link Settings - Content Sharing

Lets you control which devices on your network, such as smart phones and tablets, can share content with your product.

Keyboard Settings

Lets you select a wireless USB keyboard connected to the Smart Media Player, and then configure it for use.

- You can use the Keyboard only when a QWERTY keyboard screen or window appears in the Web Browser or in an Apps screen.

Mouse Settings

Lets you select a wireless USB mouse connected to the Smart Media Player, and then configure it for use.

- You can use the mouse only in the Web Browser or in an Apps screen.

1. Connect a wireless USB mouse to the Smart Media Player.
2. On the Mouse Settings screen, select the Primary Button and Pointer Speed options that suite your needs.

- Depending on the model, some USB HID keyboards and mice may not be compatible with your product.
- Some HID keyboard keys may not work.
- Wired USB keyboards are not supported.
- Some applications may not be supported.
- If a wireless HID Keyboard does not operate because of interference, move the keyboard closer to the Smart Media Player.

Clock

Sets the current date and time.

Auto

When you set **Clock Mode** to **Auto**, your unit automatically downloads the correct time from a digital channel. To enable this option, the Smart Media Player must be connected to a cable system through its Cable In jack and must receive digital broadcasts.

- **Time Zone**: Choose your time zone. To ensure the clock runs correctly, you must select your time zone from the drop down list in the Time Zone field.
- **DST**: Set the DST (Daylight Savings Time).
  - Off: No adjustment for DST.
  - On: Sets the clock an hour ahead.

Manual

To enter the time and date manually, follow these steps.

1. Set **Clock Mode** to **Manual**, select **Clock Set**, and then press ⏎ button.
2. Select **Date**, and then press ⏎ button. The date entry pop-up appears.
3. Change the numbers displayed using the up and down arrow buttons on the remote. Move from field to field using the left and right arrow buttons on your remote. When done, press the **RETURN** button on your remote.
4. Select the **Time** field, and then press ⏎ button.
5. Set the hour and minutes in the same fashion you set the date. When done, press the **RETURN** button on your remote.

Auto Power Off

Setting **Auto Power Off** option to **On** saves energy by turning off the Smart Media Player automatically if no user operation is detected for 4 hours.

- If the **Quick Start** option is **Off**, the product go into **Deep Sleep mode** when it is turned off by this function.
- If the **Quick Start** option is **On**, the product will go into **Active Standby mode** when it is turned off by this function. If the product is in **Active Standby mode** for 8 hours without being turned on, it will automatically go into **Deep Sleep mode**.

- If the Smart Media Player has been turned off or left unplugged for more than 1 week, the device may lose authorization for cable TV services. To restore cable TV services, please contact your cable service provider.

Caption

Configure CC (Closed Caption) options.

Caption

Set Caption to **ON** to view captions. The broadcast must be transmitted with captions for the captions to appear.

Caption Mode

Select a caption mode from the drop down list.

- **Default** / **CC1** ~ **CC4** / **Text1** ~ **Text4**: (analog channels only) The analog caption function operates in either analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on the broadcasting signal, the analog caption function may or may not work with digital channels.)
- **Default** / **Service1** ~ **Service6** / **CC1** ~ **CC4** / **Text1** ~ **Text4**: (Digital channels only) The digital caption function works with digital channels. Service1 – Service6 may not be available in digital caption mode depending on the broadcast.

Security

This function works in conjunction with the Program Rating Lock function which requires you to enter a PIN before it allows access. When you access the Security function, the Security screen appears. The first time you access this function, enter the default Security PIN: 0000. Change the PIN using the Change PIN function. See below.

- The default password is set to 0000.

Change PIN

Change the 4-digit PIN used to access security functions.
To change the PIN, follow these steps:

1. Select **Change PIN**, and then press button.
2. Enter the old PIN into the change PIN screen using the number buttons on your remote.
3. Under **Enter new PIN**, enter the new PIN using the number buttons.
4. Under **Confirm new PIN**, enter the new PIN again. The PIN is changed successfully message appears.
5. Press the button on your remote.

General

You can change the options listed below to match your preferences.

Menu Transparency

Adjust the transparency of the menu box. You can select Low, Medium, or High.

Anynet+ (HDMI-CEC)

Anynet+ is a convenient function that offers linked operations with other Samsung products that have the Anynet+ feature. To operate this function, connect this product to an Anynet+ Samsung TV using an HDMI cable.

DivX® Video On Demand

View your DivX® VOD Registration Code. You need this code to purchase and play DivX® VOD contents.

SUPPORT

Remote Management

Remote management lets our Call Center access your Samsung product remotely to troubleshoot a problem.
To use Remote Management, follow these steps:

1. Call the Samsung Contact Center, and then ask for remote support.
2. Open the menu on your product, and then go to the Support section.
3. Select Remote Management, and then read and agree to the service agreements. When the PIN screen appears, provide the PIN code to the agent.
4. The agent will then access your TV. That's it!

Software Update

The Software Update menu allows you to upgrade the Smart Media Player's software for performance improvements or additional services.

- Never turn the Smart Media Player off or back on manually during the update process.

1. In the Home screen, select **Settings**, and then press the button.
2. Select **Support**, and then press the button.
3. Select **Software Update**, and then press the button.
4. To download update software and update now, select **Update now**, and then press the button. See "Update now" on the next page for details.
5. To let the Smart Media Player download update software automatically when available, select **Auto Update**, and then press the button. See "Auto Update" on next page for details.

- The update is complete when the Smart Media Player turns off, and then turns on again by itself.
- SAMSUNG ELECTRONICS takes no legal responsibility for Smart Media Player malfunction caused by an unstable Internet connection or consumer negligence during a software Update.
- During Software update, Both Power LED / Network LED will glow.

Update now

You can use Update Now to update the software through your network connection or by using a USB flash drive. The network instructions are below.
Instructions for using a USB flash drive to update the software are on the next page.

1. Select **Update now**, and then press the ⏎ button. The Update now pop-up appears.
2. The Smart Media Player searches on line for the latest software version.
3. If it does not find an update, the "**No new updates**" pop-up appears. Press the ⏎ button to exit.
4. If it finds a new version, the Update Request pop-up appears.
5. Select **OK**. The Smart Media Player upgrades the software, turns off, and then turns on automatically.
6. If you do not select **OK** or **Cancel** in one minute, the Smart Media Player stores the new update software. You can update the software later using Auto Update.
7. If you select **Cancel**, the Smart Media Player cancels the update.

- When the system update is done, check the software details in the Product Information section of the Contact Samsung screen.
- Do not turn off the Smart Media Player during the Software Update. It may cause the product to malfunction.

Auto Update

You can set the Auto Update function so that the Smart Media Player downloads new update software when it is in Auto Update mode.
In Auto Update mode, the product is off, but its Internet connection is active. This allows the product to download update software automatically, when you are not using it.

1. Press the ▲▼ buttons to select **Auto Update**, and then press the ⏎ button.
2. Select the desired time. The Smart Media Player will be updated automatically at the time you have set or after power off. If it downloads new update software, the product will ask you if you want to install it when you turn the product on.

- To use the **Auto Update** function, your product must be connected to the Internet.

◈ By USB

1. Visit www.samsung.com.
2. Click SUPPORT on the top right of the page.
3. Enter the product's model number into the search field. As you enter the model number, a drop down will display products that match the model number.
4. Left click your product's model number in the drop down list.
5. On the page that appears, scroll down to and then click Firmware Manuals & Downloads.
6. Click Firmware in the center of the page.
7. Click the ZIP button in the File column on the right side of the page.
8. Click Send in the first pop-up that appears.
   Click OK in the second pop-up to download and save the firmware file to your PC.
9. Unzip the zip archive to your computer. You should have a single folder with the same name as the zip file.
10. Copy the folder to a USB flash drive.
11. Insert the USB flash drive into the USB port of the Smart Media Player.
12. In the Smart Media Player's menu, go to Settings > Support > Software Update.
13. Select Update Now.
14. The Smart Media Player searches for the software on the USB drive. When it finds the software, the Update Request pop-up appears.
15. Select **OK**. The Smart Media Player upgrades the software, turns off, and then turns on automatically.

- When the system update is done, check the software details in the Product Information section of the Contact Samsung screen.
- Do not turn off the Smart Media Player during the software Update. It may cause the product to malfunction.
- Software Updates using the USB jack must be performed with a USB flash memory stick only.

Contact Samsung

Displays support contact information and important product information such as model number, serial number, software version, and MAC address.

Reset

Resets all settings to their default settings except for the network and App service settings. The default PIN is 0000.

- You must enter your 4 digit PIN using the number buttons on the remote to access the Reset function. If you have not set a PIN, use the default PIN: 0000.

DTV Functions

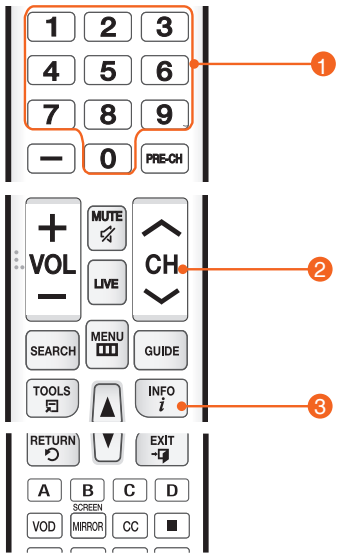
WATCHING TV CHANNELS

After Auto Programming is completed, you can watch your TV channels.

Using the channel option

Using the remote control buttons

To use these buttons, see the table on the right.



❶	**NUMBER** buttons : To move to a TV channel directly, press the number buttons that correspond to the desired TV channel.
❷	**CH** button : Press this button to change TV channels.
❸	**INFO** button : Press this button to display detailed channel information.

Using the Tools Button

Press the **TOOLS** button while you are viewing a channel. Press **RETURN** or **EXIT** to close.

Picture Mode	Select to set the picture mode. - **Dynamic** : Choose this setting to increase sharpness. - **Standard** : Choose this setting for most viewing applications. - **Movie** : This is the best setting for watching movies. - **User** : Lets you adjust the sharpness and noise reduction function respectively.
Signal Information	Select to view the signal information
Audio Language	Lets you select another audio track in a different language if the TV program provides multi track sound.
Edit Favorite	Lets you save the channel displaying the current program as a Favorite channel. You can save the channel into any of 5 Favorite Channel Groups.
Caption	Turn captions on or off.

EDITING CHANNELS

Channel List

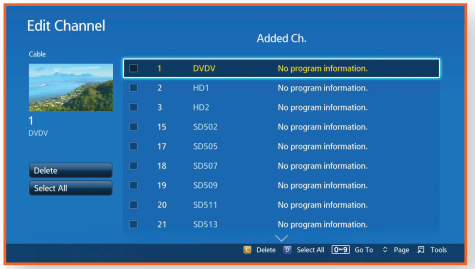
Press the **MENU** button to bring up the Home screen.

1. In the Home screen, select **Settings**, and then press the ⏎ button.
2. Select **Broadcasting**, and then press the ⏎ button.
3. Select **Channel List**, and then press the ⏎ button.
4. Press the ◄ button to sort channels. You can order the list by name or number.
5. Press the ► button to display the channel list by category (Added Ch.).
6. Select the desired channel, and then press the ⏎ button. The selected channel appears.

Edit Channel

Manage the stored channels.
Press the **MENU** button to bring up the Home screen.

1. In the Home screen, select **Settings**, and then press the ⏎ button.
2. Select **Broadcasting**, and then press the ⏎ button.
3. Select **Edit Channel**, and then press the ⏎ button. The Edit Channel Screen appears.
4. To scroll through the channels one at a time, press the ▲▼ buttons on your remote.
5. To scroll the list one page at a time, press the Channel Up/Down buttons (◇) on your remote.



Remove Channels

On the Edit Channels screen, remove registered channels from the channel index or remove channels from a channel category list. Removing channels from the Recently Viewed or Mostly Viewed categories clears the channels from that category only and does not remove them from the index. When you remove a channel from the channel index, it will no longer appear when you scroll through the channels using the CH button on your remote. It does remain in the ALL category list.

To remove channels on the Edit Channels screen, follow these steps:

1. With the Edit Channel screen displayed, select a channel or select a category using the Category function in the TOOLS menu, and then select a channel. A check appears next to the channel you selected.

   ▸ To access the Category function, press the **TOOLS** button on your remote, select **Category** from the Tools menu, and then press the ⏎ button.

2. If you want, select additional channels. You can select more than one channel at a time.

   ▸ Deselect channels by selecting them again. When you deselect a channel, the check mark disappears.

3. Select the **Delete** button on the left of the screen, and then press the ⏎ button. The selected channel(s) are deleted.

   ▸ You can also press the **C** button on your remote.

Restore Removed Channels

Restore channels removed from the channel index. Removed channels are displayed in gray on the All list. In addition, the Add option is only available for removed channels.

1. With the Edit Channel screen displayed, open the **TOOLS** menu, select **Category**, select **ALL**, and then press the ⏎ button.
2. In the ALL list, select the channels you want to restore. Unselect channels by choosing them again.
3. Select the **Add** button on the left of the screen, and then press the ⏎ button. The selected channel(s) are added to the channel index.

Using the Go To Function

The **Go To** function lets you scroll the Edit Channel list to the channel you want by entering the channel number.
To use the Go To function, follow these steps:

1. Using the number pad on your remote, enter the channel number of the channel you want to go to, and then press the ⏎ button.
2. The Smart Media Player scrolls the list, and then highlights the channel you want.

Other Button Functions

Depending on the screens or menus you are displaying, these other button functions are sometimes available:

Buttons or Icons	Operations or Functions
C	Delete all selected channels.
D	Select all channels on a list. A check appears by each channel on the list.

Edit Favorites

You can designate frequently watched channels as favorites. Favorite channels are identified in Edit Channel and the channel list screens with the ♥ symbol. You can create up to 5 favorite channel lists. You can also rename and edit favorite channel lists.

To display the Edit Favorites screen, press the **MENU** button on your remote. On the Home screen, select **Settings**. In the menu that appears, select **Broadcasting ➡ Edit Favorites**.

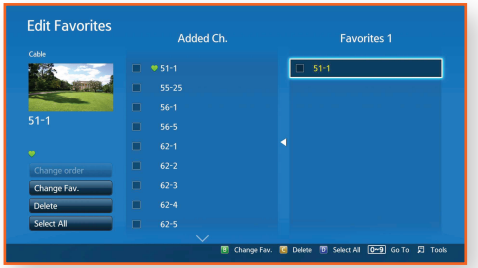
Add Favorite Channels

Add a channel to a favorite channels list.

1. In the **Edit Favorites** screen, select the **Category** button on the left of the screen, and then press the button to display the channel list containing the channels you want to add. This list appears in the left center of the screen. To select a channel, highlight the channel, and then press the button. A check appears next to the channel. Repeat for each channel you want to add.
   - You can also press the **Red (A)** button on your remote to display different category lists.
2. Select the **Change Fav.** button on the left of the screen, and then press the button to display a favorite channels list. The list appears on the right of the screen. Each time you select the **Change Fav.** button, a different Favorites List appears. You can select Favorites list 1 through 5.
   - You can also press the **Blue (B)** button on your remote to change Favorites Lists.
3. Select the **Add** button, and then press the button to add the selected channels to the Favorites List you chose.

Remove Favorite Channels

Remove channels from a favorite channels list.



1. In the **Edit Favorites** screen, select the **Change Fav.** button on the left of the screen, and then press the button. A favorite channels list appears on the right side of the screen.
2. Select the **Change Fav.** button repeatedly until the Favorites List you want appears.
3. In the Favorites List, select each channel you want to delete by highlighting the channel, and then pressing the button. A check appears beside each channel.
   - You can deselect a channel by highlighting it, and then pressing the button again.
4. Select the **Delete** button on the left side of the screen, and then press the button to delete the channels from the list.

Rearrange a Favorite Channels List

Rearrange the order of the channels in a Favorite Channels List.

1. In the **Edit Favorites** screen, select the **Change Fav.** button on the left of the screen, and then press the button. A favorite channels list appears on the right side of the screen.
2. Select the **Change Fav.** button repeatedly until the Favorites List you want appears.
3. Select a channel, and then press the button.
4. Select the **Change Order** button on the left side of the screen, and then press the button.
5. Press the ▲▼ buttons on the remote to move the channel you selected. Press the button when done.

Rename a Favorite Channel List

Rename an existing favorite channels list.

1. On the **Favorites** screen, move the highlight to a favorite in a Favorite list on the right of the screen.
2. Select the **TOOLS** button on your remote, and then press the ⏎ button.
3. In the **TOOLS** menu, select **Rename Favorites**, and then press the ⏎ button. A list of Favorite lists appears.
4. Select the list whose name you want to change, and then press the ⏎ button. The pop-up keyboard appears.
5. Rename the list using the popup keyboard. The new name can be up to 20 characters long.
6. When finished, select **Done** on the keyboard, and then press the ⏎ button.

- To rename Favorite Channel Lists, there must be one favorite listed in at least one Favorite Channel List.
- For instructions on using the keyboard, see Entering Text Using the Onscreen Keypad.

Copy a Favorite Channel from One Favorites List to Another

Copy channels from one favorite channels list to another.

1. In the **Edit Favorites** screen, select the **Change Fav.** button on the left of the screen, and then press the ⏎ button. A favorite channels list appears on the right side of the screen.
2. Select the **Change Fav.** button repeatedly until the Favorites List you want appears.
3. Select the channel you want to copy, and then press the ⏎ button.
4. Press the **TOOLS** button on your remote, select Copy to Favorites from the TOOLS list, and then press the ⏎ button.
5. Select each Favorite Channels List you want to copy to by highlighting it, and then pressing the ⏎ button.
6. When finished, select **OK**, and then press the ⏎ button. The channels are copied to the Favorite Channels List(s) you selected.

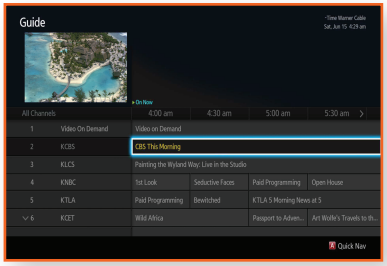
VIEWING THE GUIDE SCREEN

On the Guide screen, you can view each digital channel's programming schedule.
The Guide screen will be available to you if you have inserted a CableCARD into your product and have connected the Smart Media Player to your network so that it has access to the Internet. The EPG (Electronic Program Guide) information is provided by broadcasters.

Using the Guide Screen option

Press the **GUIDE** button on the remote control.

1. Press the **GUIDE** button. The guide screen will be displayed.



Change Channels

Select a channel in the **Guide**, and then press the button to jump to that program right away if the program is on now.
If the program will be on in the future, the program's detail info will appear in the banner on the screen.

Quick Navi

Press the **Red (A)** button on your remote. With Quick Navi activated,

- Pressing the ◄► buttons on your remote control moves the focus two hours backwards or forwards, enabling faster browsing of the programming schedule.
  ➪ You cannot move the focus to a time prior to the current time.
- Pressing the ▲▼ buttons on your remote control moves the list 6 channels at once.

Media Play

Your Smart Media Player can play content located on USB devices and PCs. To play content located on your PC, you must connect your PC and this product to your network and download and install the Samsung Link software on your PC.

THE SAMSUNG LINK SCREEN

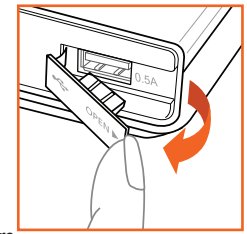
For all media, the Samsung Link Main screen or one of its sub screens is your primary means of accessing and playing contents saved on a variety of devices, either connected directly or using your network.

Accessing the Samsung Link Screen

To access the Samsung Link Main screen, select **Photos, Videos & Music** on the Home screen, and then press the button.

PLAYING FILES ON A USB DEVICE

There are two methods you can use to play or view multimedia files located on a USB device through your product.



Method 1

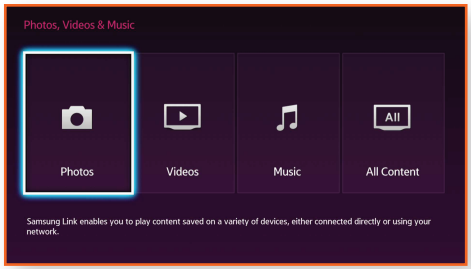
1. Turn the Smart Media Player on.
2. Connect the USB device to the USB port on the front panel of the Smart Media Player. The New Device Connected pop-up appears.

   ▸ If the pop-up does not appear, go to Method 2.
3. Use the ▲▼ buttons to select **Photos**, **Videos**, **Music** or **All Content**, and then press the button. The Samsung Link screen appears listing the contents of the device. Depending on how the contents are arranged, you will see either folders, individual files, or both.
4. If necessary, use the the ▲▼◀▶ buttons to select a folder, and then press the button.
5. Select a file to view or play, and then press the button.
6. Press the **RETURN** button to exit a folder or the **EXIT** button to return to the Home screen.

   ▸ Even though the Smart Media Player will display folders for all content types, it will only display files of the Content Type you selected in Step 3. For example, if you selected music, you will only be able to see music files. You can change this selection by returning to the Photos, Videos and Music screen and repeating Step 3.

Method 2

1. Turn the Smart Media Player on.
2. Connect the USB device to the USB port on the front panel of the Smart Media Player.


Photos, Videos & Music
Photos
Videos
Music
All
All Content
Samsung Link enables you to play content saved on a variety of devices, either connected directly or using your network.

3. Press the **MENU** button to go to Home screen.
4. Select **Photos, Videos & Music** on the Home screen, and then press the ⏎ button.
5. Select **Photos**, **Videos**, **Music** or **All content**, and then press the ⏎ button.
6. Use the ◄► buttons to select the desired device and then press the ⏎ button.
   Depending on how the contents are arranged, you will see either folders, individual files, or both.
7. If necessary, use the ▲▼◄► buttons to select a folder, and then press the ⏎ button.
8. Use the ▲▼◄► buttons to select a file to view or play, and then press the ⏎ button.
9. Press the **RETURN** button to exit a folder or the **EXIT** button to return to Home screen.

- Even though the Smart Media Player will display folders for all content types, it will only display files of the Content Type you selected in Step 5. For example, if you selected music, you will only be able to see music files. You can change this selection by returning to the Photos, Videos and Music screen and repeating Step 5.

USING THE SAMSUNG LINK NETWORK FUNCTION

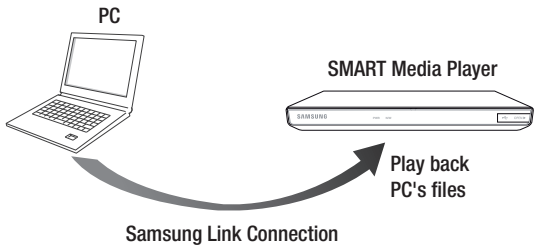
Samsung Link lets you play Videos, Photos, or Music located on your PC or your Samsung Link compatible device through the Smart Media Player using a wireless or wired network connection.

- You can connect a Samsung smartphone device that has the Samsung Link app installed to your product if the smartphone and player are connected to the same network.
- You cannot connect a Samsung smartphone or a PC that has the Samsung Link app installed to this product through a remote network.

To Download the Samsung Link Software

Samsung Link makes it easy to retrieve and enjoy media files from computers and DLNA-enabled devices. However, for Samsung Link to work, computers need to have Samsung Link PC software installed and mobile devices need to support Samsung Link. For more information, visit the Samsung Content & Service portal (http://link.samsung.com). You may experience compatibility issues when attempting to play media files via a third-party DLNA server.

Playing Content Located on Your PC or Samsung Link Device (DMS) through this product (DMP).



Samsung Link makes it easy to retrieve and enjoy media files from computers and DLNA-enabled devices. However, computers need to have Samsung Link PC installed.

1. Connect the Smart Media Player, your PC, and/or your Samsung Link compatible device to the same wireless or wired network.
2. Follow the directions in the Samsung Link software Installation/Instruction manual to set up devices and files for playing or viewing.
3. Select **Photos, Videos & Music** on the product's Home screen, and then press the button. The Samsung Link screen appears.
4. Select the type of content you want to play - **Photos**, **Videos**, **Music**, or **All Content** - and then press the button.
5. In the list of Samsung Link connected devices that appears, select your PC or other Samsung Link compatible device, and then press the button. A screen listing the available files appears.
6. Select the file you want to play or view, and then press the button.

CONTROLLING VIDEO PLAYBACK

You can control the playback of video content located on a USB drive, mobile device or PC. Depending on the contents, some of the functions described in this manual may not be available.

Buttons on the Remote Control used for Video Playback

Playback related buttons

The Smart Media Player does not play sound in Search, Slow or Step mode.

- To return to normal speed playback, press the ▶II button.

▶II button	Pause or resume playback.
■ button	Stops playback.
Fast Motion Play	During playback, press the ◀◀ or ▶▶ button. Each time you press the ◀◀ or ▶▶ button, the playback speed will change.
Slow Motion Play	In pause mode, press the ▶▶ button. Each time you press the ▶▶ button, the playback speed will change.
Step Motion Play	In pause mode, press the ■ button. Each time you press the ■ button, a new frame appears.
Skip Motion Play	During playback, press the ◀ or ▶ button. Each time you press ◀ or ▶ button, the Smart Media Player skips to the previous file or the next file.

Using the Tools Menu

During playback or in pause mode, press the **TOOLS** button.

Play from the Beginning	Select to return to the beginning of the movie, and then press the ↵ button.
Picture Mode	Select to set the picture mode. - **Dynamic** : Choose this setting to increase Sharpness. - **Standard** : Choose this setting for most viewing applications. - **Movie** : This is the best setting for watching movies. - **User** : Lets you adjust the sharpness and noise reduction function respectively.
Search Title	If there is more than one movie on the device, select to play a different title.
Search Time Bar	Select to play the movie from a selected time point. Select **Search Time Bar**, and then press the ↵ button. Using the number buttons, enter the time point you want to go to, and then press the ↵ button. ▸ You can also use the ◀ ▶ buttons to advance or rewind the movie. The movie advances or rewinds one minute each tme you press the ◀ ▶ buttons.
Repeat mode	Select to repeat a specific section. **Off** : Plays all files in the current folder in order one time. **Repeat One** : Plays the current file repeatedly. **Repeat All** : Plays all the files in the current folder repeatedly.
Full Screen	Select to set the size of the video image.
Audio Sync	Select to adjust the audio so that it syncs with the video.
Subtitle Settings	Select to set the desired subtitle options. This option may not be available depending on your region.
Information	Select to view video file information.

- You can enable or disable the subtitles by pressing the **CC** button on the remote control.
- Depending on the storage device, the Tools menu may differ.
- Video files with high bitrates of 20Mbps or more strain the product's capabilities and may stop playing during playback.

Using the View & Options Menus

Using the View Menu

On a file screen containing video files, select **View**, and then press the ⏎ button.

Date	Displays all the folders with videos by date. If you select a folder, and then press the ⏎ button, displays all the videos in the folder by date.
Title	Displays all the video files on the media or storage device by title.
Folder	Displays all the folders on the media or storage device.

- Depending on the storage device, the View menu may differ or not be shown.

Using the Options Menu

On a file screen containing video files, select **Options**, and then press the ⏎ button.

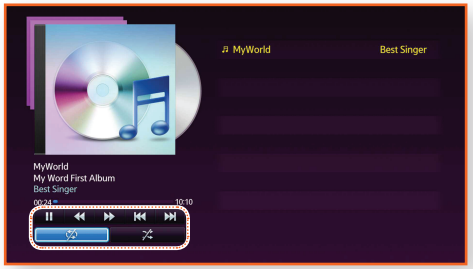
Play Selected	**Play Selected** lets you create a playlist by selecting specific files to play. It works essentially the same way for all media. See 'Creating a Playlist' on page 71.
Send	Select **Send** to upload selected files to an on-line site (Picasa, Facebook, etc.) or to a device. To use **Send**, you need to establish an account with the on-line site, and then log in using the Log In function.

- Depending on the storage device, the Options menu may differ or not be shown.

CONTROLLING MUSIC PLAYBACK

You can control the playback of music content located on a USB drive, mobile device or PC. Depending on the contents, some of the functions described in this manual may not be available.

Buttons on the screen used for Music Playback



	Pause or resume playback.
	Search backward or forward in a file. You can also use the ◀◀ ▶▶ buttons on the remote control to advance or rewind the music.
	Skip to the previous file or the next file.
	Selects the repeat playback mode.
	Plays the files in the current folder at random.

Using the View & Options Menus

Using the View Menu

A file screen containing music files, select the **View**, and then press the button.

Track	Displays all the music tracks on the media or storage device.
Album	Displays all music on the media or storage device by album.
Artist	Displays all the the music files on the media or storage device by artist.
Genre	Displays all the music on the media or storage device by genre.
Folder	Displays all the folders on the media or storage device.

- Depending on the storage device, the View menu may differ or not be shown.

Using the Options Menu

A file screen containing music files, select **Options**, and then press the ⏎ button.

Play Selected	**Play Selected** lets you create a playlist by selecting specific files to play. It works essentially the same way for all media. See the 'Creating a Playlist' on page 71.
Send	Select **Send** to upload selected files an on-line site (Picasa, Facebook, etc.) or to a device. To use **Send**, you need to establish an account with the on-line site, and then log in using the Log In function.
Encoding	Select to manage the text encoding options.

- Depending on the storage device, the Options menu may differ or not be shown.

Repeating Tracks

You can set the Smart Media Player to repeat tracks.

1. On the Playback screen, use the ▲▼◄► buttons to select in the lower left corner of the screen, and then press the ⏎ button.
2. Use the ▲▼ to select the repeat mode you want - **Off**, **One Song**, or **All** - and then press the ⏎ button.

Shuffling Tracks

You can set the Smart Media Player to play tracks at random.

1. On the Playback screen, use the ▲▼◄► buttons to select in the lower left corner of the screen, and then press the ⏎ button.
2. Use the ▲▼ to set the Shuffle mode **On** or **Off**, and then press the ⏎ button.

Creating a Playlist

1. With the Playback screen displayed, select **Options**, and then press the ⏎ button. The Options menu appears.
2. Use the ▲▼ buttons to select **Play Selected**, and then press the ⏎ button. The Selection Play screen appears.
3. Use the ▲▼◄► buttons to select a track, and then press the ⏎ button. A check appears to the left of the track.
4. Repeat Step 3 to select and check additional tracks.
5. To remove a track from the list, move to the track, and then press the ⏎ button again.
   The check on the track is removed.
6. When done, press the ▲▼ button to select **Play**, and then press the ⏎ button. The Music Playback screen reappears listing only the tracks you checked.
   The selected tracks play automatically.

- On the Selection Play screen, you can also choose **Select All**, **Deselect All**, and **Cancel**.
  - Use **Select All** to select all tracks. This cancels your individual track selections. When you press the **RETURN** button on your remote control or select the Play button, and then press the ⏎ button, all tracks will appear on the Music Playback screen. The Smart Media Player will begin to play all tracks from the first track.
  - Use **Deselect All** to deselect all selected tracks at once. Then, select individual tracks or use Select All to select all the tracks, and then press the **RETURN** button on your remote control. If you do not use Select All or select individual tracks, the Playlist will not change.
  - **Cancel** cancels any changes you made on the Play Select screen. When you return to the Playback screen, the Playlist will be unchanged.

PLAYING PHOTO CONTENTS

You can play photo contents located on a USB, mobile device or PC.

Using the Tools Menu

During playback, press the **TOOLS** button.

Previous	Select to move to the previous picture.
Next	Select to move to the next picture.
Start / Stop Slide Show	Select to play/pause the slide show.
Slideshow Settings	Select the Slide Show settings. - **Speed** : Select to set the slide speed. - **Effects** : Select to set the slide effect.
Zoom	Select to enlarge the current picture. (Enlarge up to 4 times)
Rotate	Select to rotate the picture. (This will rotate the picture either clockwise or counter clockwise.)
Background Music	Select to listen to music while viewing a slide show.
Settings	Select the picture mode and information.

- Depending on the storage device, the Tools menu may differ. All options may not be displayed.
- To enable the background music function, the photo file must be in the same storage media as the music file. However, the sound quality can be affected by the bitrate of the MP3 file, the size of the photo, and the encoding method.
- You can't enlarge the subtitle and PG graphic in the full screen mode.

Using the View & Options Menus

Using the View Menu

On a file screen containing photo files, select **View**, and then press the button.

Title	Displays all the the photo files on the media or storage device by title.
Date	Groups all the the photo files on the media or storage device by Date. Click a group to see the photos in that group.
Folder	Displays all the folders on the media or storage device.

- Depending on the storage device, the View menu may differ or not be shown.

Using the Options Menu

On a file screen containing photo files, select **Options**, and then press the button.

Slide show	Starts the slide show. Shows all the files in the current folder, one after another. If you want to create a slide show with a selected group of photos, see **Play Selected** below.
Play Selected	**Play Selected** lets you create a playlist by selecting specific photos to view. It works essentially the same for all media. See 'Creating a Playlist' on page 71.
Send	Select **Send** to upload selected files to an on-line site (Picasa, Facebook, etc.) or a device. To use **Send**, you need to establish an account with the on-line site, and then log in using the Log In function

- Depending on the storage device, the Options menu may differ or not be shown.

Network Services

You can enjoy various network services such as streaming video or on-line apps by connecting the Smart Media Player to your network.

- To use network services, you must first:
  - Connect the Smart Media Player to your network. (See page 18)
  - Configure the network settings. (See pages 37~43)

LOGGING IN TO YOUR SAMSUNG ACCOUNT

Before you access **Movies & TV Shows** or **Apps**, we suggest you log in to your Samsung account.
To log in to your Samsung account, follow these steps:

1. With the Samsung Apps displayed, press the **RED (A)** button. The Log In screen appears.
2. Select the Email field, and then press the button. The keyboard pop-up appears.
3. Using the keyboard, enter your e-mail address. When finished, select the **Done** button, and then press the button. The Log In screen re-appears.
4. Select the Password field, and then press the button. The keyboard pop-up appears.
5. Using the keyboard, enter your password. When finished, select the **Done** button, and then press the button. The Log In screen re-appears.
6. To make the log in process easier next time, select **Sign me in automatically**, and then press the button.
7. Select **Log In**, and then press the button. The Smart Media Player logs you in to your account. Your account e-mail is displayed on the bottom left of the screen.

- If you selected **Sign me in automatically**, the next time you log in, the Smart Media Player will automatically enter your e-mail and password. All you need to do is select Log In.
- If your e-mail address and password are not displayed when the Log In screen appears, select the button with the down pointing arrow head next to the Email field, and then press the button. A drop down list of all your registered accounts will appear. Select your account, and then press the button. The Smart Media Player will fill in the e-mail and password fields.
- If you press the **RED (A)** button after you have logged in, the My Account pop-up appears. On the pop-up, you can select Logout, Change Account Information, Link Service Accounts, Remove Accounts from the Device, and Deactivate Account.
- To rent films and purchase for-pay apps, you must have a credit card registered in your account. If you haven't registered a card, select Change Account Information. On the Change Account information page, select Register Card, press the button, and then follow the directions on the screen.

BEFORE USING APPS

If you haven't set up Smart Hub, when you use Apps for the first time, the Smart Media Player will ask you to perform the Smart Hub set up procedure.

1. On the Home screen, select **Apps**, and then press the ↵ button.
2. On the Smart Hub Terms & Conditions, Privacy Policy screen, you must review and agree to both the Smart Hub Terms and Conditions and the Privacy Policy to use Smart Hub.
3. Scroll down, and then click the View Details buttons to review the full documents.
4. When done reading, scroll up to the first entry field, and press the ↵ button to agree to the Terms and Conditions and consent to the Privacy Policy.
5. Press the ▶ button to go to the Supplemental Privacy Notices screen.
6. Click the View Details button to view the entire notice.
7. When done reading, scroll up to the top entry field, and then press the ↵ button.

> ▸ You do not need to consent to the Supplemental Privacy Notice, but one or more Smart TV features or functionalities may not be available if you do not.

8. Press the ▶ button twice. The Setup Complete screen appears. Press the ↵ button.

USING APPS

You can download applications various for pay or free-of-charge application from the Internet and view them on your TV. To access some applications, you need to have a Samsung account.

The Apps Screen at a Glance

❶	**Recommended** : Displays recommended contents managed by Samsung.
❷	**My Apps** : Displays your personal gallery of applications modifiable on the More Apps screen.
❸	**More Apps** : Select to access the More Apps screen where you can add, modify, and delete applications and see all downloaded applications.
❹	**Featured Applications** : Use the ▲▼◄► buttons to highlight the displayed Feature Application, and then press the ↵ button. Information about the featured application appears.

Downloading Applications

You can download for pay or free-of-charge applications through Samsung Apps.

1. On the Apps screen, select **Samsung Apps**, and then press the ↵ button. The Samsung Apps screen appears.
2. Across the top of the screen, under What's New, you'll see a series of new apps. Use the ◄► buttons to scroll the list right or left, and then select an app. Press the ↵ button to see more information about the app. If the app is free, select **Download**, and then press the ↵ button to download the app. If it is a for pay app, select **Buy**, press the ↵ button, and then follow the instructions on the screen.

- To buy an app, you must be logged into your Samsung account and have a credit card registered to the account. Press the **RED (A)** button on your remote to log in.
- If you haven't registered a card, after you log in, press the **RED (A)** button again, and then select Change Account Information in the pop-up that appears. On the Change Account information page, select Register Card, press the ↵ button, and then follow the directions on the screen.
- You can also access and download apps from the categories listed on the left of the screen. For instructions, see Step 4.

3. After the app has downloaded, select **Run**, and then press the ⏎ button to run the app now. To run the app later, press the **RETURN** button. In either case, the icon for the app will appear on the Apps screen.
4. To see additional apps, use the ▲▼◀▶ buttons to move to the category list on the left side of the screen.
5. Use the ▲▼ buttons to select a category. Each time you move the highlight to another category, a different set of applications appears on the right.
6. Use the ▶ button to move to the applications and the ▲▼◀▶ buttons to move from app to app.
7. To see more information about an app, select it, and then press the ⏎ button.
8. To download the app, follow the directions in Steps 2 and 3.

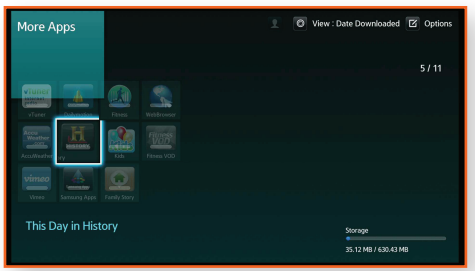
Starting an Application

1. Select Apps on the Home screen, and then press the ⏎ button.
2. On the Apps screen, use the ▲▼◀▶ buttons to select an app, and then press the ⏎ button. The app starts.

Using the More Apps Screen

The More Apps Screen lists all the apps you have downloaded and lets you:

- Sort the apps on the More Apps screen by Date downloaded, Recently opened, and Title.
- Apply a number of Options Menu functions to the apps listed in the My Apps section of the Apps screen including updating apps, moving apps into a folder, deleting the apps from My Apps, and locking the apps.
- Start apps.



Sorting the Apps

To sort the apps on the More Apps screen, follow these steps:

1. On the Home screen, select **Apps**, and then press the button.
2. On the Apps screen, use the ▼ button to move to the **More Apps** hotspot at the bottom of the page, and then press the button.
3. On the More Apps screen, use the ▲ ▶ buttons to move to **View** at the top of the screen, and then press the button.
4. In the drop down that appears, select **Date Downloaded**, **Recently Opened**, or **Title**, and then press the button. The apps on the More Apps screen are sorted by the criteria you have chosen.

Using the Options Menu

Lock/Unlock

Using the Lock/Unlock function and the Security PIN, you can lock applications so they cannot be started on either the Apps screen or the More Apps screen. The default PIN is 0000.

1. On the More Apps screen, use the ▲ ▶ buttons to go to **Options** at the top of the screen, and then press the button.
2. Select **Lock/Unlock**, and then press the button.
3. When the Lock Service appears, enter the PIN using the number buttons on your remote control.
4. Select the application you want to lock, and then press the button. A check appears in the upper left corner of the app.

   ▸ To select all the apps, select **Select All** at the top right of the screen, and then press the button. To deselect all the apps, select **Deselect All** at the top right of the screen, and then press the button.
5. After you have made all your selections, select **Lock** at the top of the screen, and then press the button.
6. Press the **RETURN** button to return to the Apps screen. Locked apps will display a lock on the upper right side.

Edit My Apps

Edit My Apps lets you add apps to and delete apps from My Apps. It also lets you change the position of an app in My Apps.

◈ Add an App to My Apps

1. On the More Apps screen, use the ▲▶ buttons to go to **Options** at the top of the screen, and then press the ⏎ button.
2. Select **Edit My Apps**, and then press the ⏎ button. The Edit My Apps screen appears.
3. Select a full Color app from the top row of apps, and then press the ⏎ button. The full Color app icon appears in the My Apps area below and the app icon in the top row is grayed out.

   ▸ Grayed out apps are already in My Apps.
4. When you return to the Apps screen, the app will appear in the My Apps area.

◈ Delete an App from My Apps

1. On the More Apps screen, use the ▲▶ buttons to go to **Options** at the top of the screen, and then press the ⏎ button.
2. Select **Edit My Apps**, and then press the ⏎ button. The Edit My Apps screen appears.
3. Select the app you want to delete from My Apps, press the ⏎ button, and then press the ⏎ button in the direction of the X. The Remove from My Apps pop-up appears.

   ▸ If the X does not appear immediately, move the app to the top or bottom row. See **Move an App in My Apps** on page 80.
4. Select **Yes**, and then press the ⏎ button.
5. When you return to the Apps screen, the app will have been removed from the My Apps area.

◈ Move an App in My Apps

1. On the More Apps screen, use the ▲▶ buttons to go to **Options** at the top of the screen, and then press the ⏎ button.
2. Select **Edit My Apps**, and then press the ⏎ button. The Edit My Apps screen appears.
3. Select the app you want to move in My Apps, press the ⏎ button, and then press the ▲▼◀▶ button to move the app icon in the direction of one of the arrows (<, >, ∧, ∨) that appears around the app icon. The app icon moves in the direction you have chosen.

   ▸ Do not move an app in the direction of an X. Moving it in that direction removes the app from My Apps.
4. After you have placed the app icon where you want, press the ⏎ button.
5. When you return to the Apps screen, the app will be positioned in the location you had selected.

Create Folder

Create Folder lets you create a folder on the More Apps screen into which you can put apps.

1. On the More Apps screen, use the ▲▶ buttons to go to **Options** at the top of the screen, and then press the ⏎ button.
2. Select **Create Folder**, and then press the ⏎ button. The Set Folder Name pop-up appears.
3. Press the ⏎ button. The keyboard appears.
4. Select the **Clear** button on the right side, and then press the ⏎ button to remove Folder 1 from the entry field. Then, using the keyboard, enter the name you want to apply to the folder.
5. When finished, select the **Done** button on the right side, and then press the ⏎ button. The pop-up reappears.
6. Select **OK**, and then press the ⏎ button.
   The new folder appears in the list of apps on the left side of the screen.

Move to Folder

Move to Folder lets you move apps to the folder of your choice.

1. On the More Apps screen, use the ▲▶ buttons to go to **Options** at the top of the screen, and then press the ⏎ button.
2. Select **Move to Folder**, and then press the ⏎ button. The Move to Folder screen appears.
3. Use the ▲▼◀▶ buttons to move to an app, and then press the ⏎ button to select the app. A check appears in the upper left corner of the app.
4. To deselect an app, press the ⏎ button. The check disappears.
5. Repeat Step 3 to select additional apps.

   ▸ To select all the downloaded apps, select Select All at the top right of the screen, and then press the ⏎ button. To deselect all the apps, select Deselect All at the top right of the screen, and then press the ⏎ button.
6. When done, select **Select folder** at the top of the screen, and then press the ⏎ button. The Select folder pop-up appears.
7. In the Select folder pop-up, use the ▲▼ buttons to select the folder you want to move the apps you selected to and then press the ⏎ button.
8. The Apps Moved pop up appears. Press the ⏎ button.
9. To open a folder, use the ▲▼◀▶ buttons to highlight the folder, and then press the ⏎ button.

Rename Folder

Rename Folder lets you rename an existing folder.

1. On the More Apps screen, use the ▲▶ buttons to go to **Options** at the top of the screen, and then press the ⏎ button.
2. Select **Rename Folder**, and then press the ⏎ button. The Rename Folder screen appears, and a folder is highlighted.
3. User the ▲▼◀▶ buttons to highlight a folder of your choice, and then press the ⏎ button. The Rename pop-up appears.
4. Press the ⏎ button. The keyboard appears.
5. Enter the new name for the folder. When finished, select **Done** on the right side, and then press the ⏎ button. The Rename pop-up reappears displaying the new name.
6. Select **OK**, and then press the ⏎ button. The folder is renamed.
7. Select **Close** on the right side of the screen, and then press the ⏎ button.

Delete

Delete lets you delete apps and folders from the My Apps screen. If there are apps in a folder, both the folder and the apps are deleted together. Delete removes apps permanently. If you decide you want to use an app you deleted, you will need to download it again.

1. On the More Apps screen, use the ▲► buttons to go to **Options** at the top of the screen, and then press the ⏎ button.
2. Select **Delete**, and then press the ⏎ button. The Delete screen appears.
3. Use the ▲▼◄► buttons to move to an app, or folder and then press the ⏎ button to select. A check appears in the upper left corner of the app or folder you selected.
4. To deselect an app, press the ⏎ button. The check disappears.
5. Repeat Step 3 to select additional apps or folders.

   - To select all the downloaded apps, select **Select All** at the top right of the screen, and then press the ⏎ button. To deselect all the apps, select **Deselect All** at the top right of the screen, and then press the ⏎ button.

6. After you have made all your selections, select **Delete** at the top of the screen, and then press the ⏎ button. The Delete pop-up appears.
7. Select **Yes**, and then press the ⏎ button. All the apps you selected are deleted.

- You cannot immediately delete a locked app or folder. If you select a locked app or folder to delete, when you perform Step 7, the Lock Service pop-up appears. Enter the Security PIN into the pop-up, and then press the ⏎ button. The lock will be released and the app or folder will be deleted.

Update Apps

Update Apps automatically searches the Internet for updated versions of the apps you have downloaded and updates them if it finds newer versions.

1. On the More Apps screen, use the ▲▶ buttons to go to **Options** at the top of the screen, and then press the ↵ button.
2. Select **Update Apps**, and then press the ↵ button.
3. The unit searches the Internet for newer versions of your apps. If there are new apps, the Update Apps pop-up appears.
4. To download the update for a particular app, highlight the app, and then press the ↵ button. A check appears to the left of the app.
5. To deselect the app, highlight it, and then press the ↵ button.

   - To select all the updates, select **Select All** on the right of the pop-up, and then press the ↵ button. To deselect all the updates, select **Deselect All**, and then press the ↵ button.

6. After you have selected the updates you want to download, select **Update** on the right side of the pop-up, and then press the ↵ button.
7. The unit downloads the updates you have chosen. A download bar appears in each app icon as the update for that app is downloaded. The download is complete when the download bars disappear.

SCREEN MIRRORING

The Screen Mirroring function lets you view the screen of your smart phone or android tablet on the TV you have connected to the Smart Media Player.

1. Press the **MIRROR** button on the remote. The Screen Mirroring pop-up appears.
2. Launch AllShare Cast or the Screen Mirroring app on your device.
3. On your device, find the name of the Smart Media Player in the list of available devices and then select it.
4. The TV will display a PIN. Enter the PIN into your device.
5. The TV displays a connecting message (for example, Connecting to Android_92gb...) and then displays the connected message.
6. In a few moments, the screen of your device appears on the TV screen.
7. To stop Screen Mirroring, press the **EXIT** or **RETURN** button on the remote control, or disable the Screen Mirroring function of your smart phone.

- You can connect to a device that supports AllShare Cast. Note that connecting to such a device may not be fully supported depending on the manufacturer. For further information on mobile connection support, refer to the manufacturer's web site.
- When you are using the Screen Mirroring function, video stuttering or audio dropouts may occur, depending on your environment.
- Bluetooth transmissions can interfere with the Screen Mirroring signal. Before using the Screen Mirroring function, we strongly recommend that you turn off the Bluetooth function on your smart phone or smart device (tablet, etc.).
- Screen Mirroring is only available with mobile devices that support AllShare Cast or Wireless Mirroring. For more information, visit the mobile device manufacturer's website.

USING THE WEB BROWSER

You can access the Internet using the Web Browser application. Select Web Browser on the Apps screen, and then press the ↵ button.

- The Web Browser is not compatible with Java applications.
- If you attempt to download a file, and the file cannot be saved, an error message will appear.
- E-commerce (purchasing products online) is not supported.
- ActiveX is not supported.
- Access may be blocked to some websites or to web browsers operated by certain businesses.

Link Browsing and Pointer Browsing

The Web Browser provides two types of browsing, Pointer Browsing and Link Browsing. When you launch the browser for the first time, Pointer Browsing is active. If you are using a mouse to navigate in the Web Browser, we recommend leaving Pointer Browsing active. If you are using your remote to navigate in the Web Browser, we recommend that you replace Pointer Browsing with Link Browsing. Link Browsing moves a highlight from one link to the next in the Web Browser and is much faster than Pointer Browsing if you are using your remote.

To activate Link Browsing, follow these steps:

1. Use the ▲▼◄► buttons on your remote to move the pointer to the Link Browser icon on the top right of the screen. The Link Browser icon is the third icon from the right.
   The pointer will be in the correct position if the icon turns blue and the words “Link Browsing” appear on the screen.
2. Press the ↵ button. Link Browsing is activated and will remain active whenever you bring up the Web Browser.

The Control Panel at a Glance

The Control Panel, which runs across the top of the screen, has a series of icons which start a number of useful functions. The icons are described below, starting with the icon on the far left of the screen.

- : Moves to the previous page.
- : Moves to the next web page.
- : Displays the Bookmarks and History screen. You can bookmark the current page, select an existing bookmark, and edit and delete bookmarks. You can also view your browsing history and select a page to revisit.
- : Moves to the Home screen of the Web Browser.
- http://www.samsung.com : Lets you enter a page address manually using the keyboard pop-up.
- : Reloads the current page so that it is refreshed on the screen.
- : Adds the current page to your bookmarks.
- : Lets you search for information by entering words or characters using the keyboard pop-up. See 'Using the Keyboard Pop-up' on page 87.
- 100% : Lets you enlarge or shrink the screen by various percentages.
- : Turns on the PIP (Picture-in-Picture) function.
- : Lets you switch between Pointer Browsing and Link Browsing.
- : Lets you configure the Browser's settings. See 'Using the Setting Menu' on page 88.
- : Closes the Web Browser.

Using the Keyboard Pop-up

When you click the http://www.samsung.com , the or access a data or text entry field, and then press the button, the keyboard pop-up appears.

To use the keyboard pop-up with your remote, follow these steps:

1. Use the ▲▼◀▶ buttons on your remote to move the highlight to a letter or number of your choice.
2. Press the button to enter the letter or number into the entry field.
3. To access capital letters, move the highlight to the Caps key on the top left, and then press the button. Press the button again with the Caps key highlighted to access small letters again.
4. To access symbols and additional punctuation marks, highlight the **123#&** button on the left, and then press the button.
5. To delete a character you entered, move the highlight to the ⬅ button, and then press the button.
6. To delete all the characters you entered, move the highlight to the **Clear** button, and then press the button.
7. When finished entering, move the highlight to the **Done** button, and then press the button.

- If you have a wireless keyboard connected to your product, you can use the wireless keyboard to enter letters, numbers, symbols, and punctuation. Note that the wireless keyboard will work only when the keyboard popup appears and can only be used to enter letters, numbers, symbols, and punctuation.

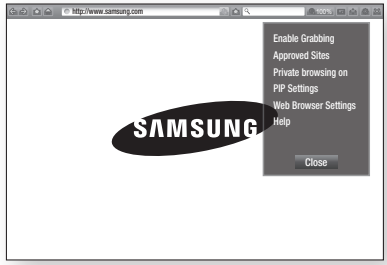
Options on the Keyboard Pop-Up

To access the keyboard pop-up options, highlight the button on the bottom left of the keyboard, and then press the button.

Language	Select the language for the keyboard. You can select English, French, Russian, etc.
Recommended Text	The keyboard will suggest recommended words as you enter text. You can turn this function **On** or **Off**.
Reset recommended text data	All the keyword data that has been inputted will be reset.
Predict Next Letter	The keyboard will predict the next letter as you enter letters. The predictions appear in a ring around the letter you have just entered. You can select a predicted letter or move to another letter. You can turn this function **On** or **Off**.

Using the Setting Menu

The Setting menu contains functions that control how the Browser operates and Browser security functions. To open the Setting menu, highlight the icon in the Control Panel, and then press the button. To select an option in the setting menu, highlight the option, and then press the button.



Enable/Disable Grabbing	Turns the Grabber function on and off. When the Grabber function is on, you can move a web page up and down without dragging the scroll bar. The Grabber function is only available in Pointer Browsing.
Approved Sites	Lets you restrict your children's access to inappropriate web pages by allowing access only to the web sites you have registered. Every time you access this function, the PIN screen appears. The first time you access this function, enter the default PIN, 0000 using the number buttons on your remote. You can change the PIN using Reset password for the Approved Sites function. See below. **Approved Sites Feature** : Turns the Approved Sites function on or off. **Reset password for Approved Sites** : Change the Approved Sites' passwords. **Add current site** : Lets you add the currently displayed web site to the Approved Sites list. **Manage Approved Sites** : Lets you key in URLs to add to the Approved Sites List and delete sites from the Approved Sites list. ▸ If you turn this function on and have not added any sites to the Approved Sites list, you will not be able to access any Internet sites.

Private Browsing On/Off	Enable or disable the Privacy mode. When the Privacy mode is enabled, the browser does not retain the URLs of sites you visit. If you want to enable Privacy mode, select **OK**. If the Privacy mode is running, the “Stop” icon appears in front of the URL at the top of the screen. To disable Privacy mode, select it again when Privacy mode is enabled.
PIP Settings	**Position :** You can set the desired PIP position. ▸ In case "PIP Settings" item was not activated, if you clicks icon at the upper right side of the web browser, it is activated.
Web Browser Setting	**Set as homepage** : You can set the Browser's home page. **Pop-up Block** : Turns the Popup Block on and off. **Page Block** : You can block the current web page and manage the blocked sites. **General** : You can delete personal information such as website history and browsing data (cookies, etc.), and reset all web browser settings to their factory defaults. **Encoding** : You can set the Encoding setting for web pages to Automatic or select the encoding format manually from a list. **Pointer** : You can set the speed of the cursor when the cursor is set to Pointer and turn Smart Cursor **On** and **Off**. **Browser Information** : Displays the version number and copyright information for the Web Browser.
Help	Provides basic information about the operation of the Web Browser.

▸ Depending on the web site, some of the Web Browser Setting functions may not be activated. Functions that are not activated are greyed out and cannot be used.

LINKING YOUR INTERNET SERVICE ACCOUNTS TO THE SMART MEDIA PLAYER

The Link Service Accounts function lets you link your product to your accounts with Internet services such as Pandora so that the Smart Media Player can log you in to the service automatically when you start the app for that service.

To create a service account link, follow these steps:

1. On the Samsugn Apps screen, press the **RED (A)** button on your remote to log in to your Samsung Account.
2. After you have logged in, press the **RED (A)** button on your remote again.
3. Select **Link Service Accounts** in the My Account pop-up, and then press the button.
4. On the Link Service Accounts screen, select the service you want to link to the Smart Media Player, and then press the button.
5. Select **Register**, and then press the button.
6. In the ID and Password screen, enter the ID you use to log in to the service you selected using the pop-up keyboard. When finished, select **Done**, and then press the button.
7. Repeat the same process for the password. When finished select **Done**, and then press the button.
8. Select **OK**, and then press the button.

Appendix

ADDITIONAL INFORMATION

Settings	**TV Aspect Ratio**
	• Depending on the video format type, some aspect ratios may not be available. • If you select an aspect ratio and option which is different than the aspect ratio of your TV screen, then the picture might appear to be distorted. • If you select the 16:9 Original, your TV may display 4:3 Pillarbox (black bars on sides of picture).
	BD Wise (Samsung Products only)
	• When BD Wise is on, the Resolution setting automatically defaults to BD Wise and BD Wise appears in the Resolution menu. • If the Smart Media Player is connected to a device that does not support BD Wise, you can not use the BD Wise function. • For proper operation of BD Wise, set the BD Wise menu of both the Smart Media Player and the TV to On.
	Digital Output
	• Be sure to select the correct Digital Output or you will hear no sound or just loud noise. • If the HDMI device (AV receiver, TV) is not compatible with compressed formats (Dolby Digital), the audio signal outputs as PCM.
	Anynet+ (HDMI-CEC)
	• Depending on your TV, certain HDMI output resolutions may not work. Please refer to the user manual of your TV. • This function is not available if the HDMI cable does not support CEC. • If your Samsung TV has an Anynet+ logo, then it supports the Anynet+ function.
	Turning on/off the Closed Caption
	• If you press the **CC (Closed Caption)** button on the remote control, the caption bar appears. Press the **RETURN** button to remove the caption bar.

TROUBLESHOOTING

No operation can be performed with the remote control.

- Check the batteries in the remote control. They may need replacing.
- Operate the remote control at a distance of no more than 20 ft. (6.1 m).
- Remove the batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote control to reset it. Reinstall the batteries and try to operate the remote control again.

Play mode differs from the Setup Menu selection.

- Some of the functions selected in the Setup Menu may not work properly if the content file is not encoded with the corresponding function.

The screen ratio cannot be changed.

- This is not a problem with the Smart Media Player.

No audio.

- Make sure you have selected the correct Digital Output in the Audio Options Menu.

The screen is blank.

- If the HDMI output is set to a resolution your TV cannot support (for example, 1080p), you may not see a picture on your TV.
- Select Settings ➡ Support ➡ Reset on the Home screen in other TV. When the factory default settings are restored, all stored user data is deleted.

Forgot password

- Select Settings ➡ Support ➡ Reset on the Home screen. All settings including the PIN will revert to the factory settings. When the factory default settings are restored, all stored user data is deleted.

If you experience other problems.

- Go to the table of contents and find the section of the user manual that contains the explanations regarding the current problem, and follow the procedure once again.
- If the problem still cannot be solved, please contact your nearest Samsung authorized service center.

No HDMI output.

- Check the connection between the TV and the HDMI jack of the Smart Media Player.
- Check if your TV supports 480p, 720p, 1080i, 1080p HDMI input resolution.

Abnormal HDMI output screen.

- If random noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).

Samsung Link function

I can see folders shared through Samsung Link, but I cannot see the files.

- Samsung Link only shows Video, Photo, and Music files. Other types of files are not displayed.

Video plays intermittently.

- Check if the network is stable.
- Check if the network cable is properly connected and if the network is not overloaded.
- The wireless connection between the DLNA compatible device and the Smart Media Player is unstable. Check the connection.

The Samsung Link connection between the Smart Media Player and PC is unstable.

- IP addresses within the same subnetwork should be unique. If they are not, IP interference can cause this phenomenon.
- Check if you have a firewall enabled.
  If so, disable the firewall function.

▸ When the factory default settings are restored, all stored user data is deleted.

Repairs

If you contact us to repair your product, an administration fee may be charged if either:

1. An engineer is called out to your home at your request and there is no defect in the Smart Media Player.
2. You bring the unit to a repair center and there is no defect in the Smart Media Player.

We will provide you with the amount of the administration fee before we make a home visit or begin any work on your product.
We recommend you read this manually thoroughly, search for a solution on line at www.samsung.com, or contact Samsung Customer Care before seeking to repair your product.

SPECIFICATIONS

General

- Net Weight: 1.5 lbs. (0.7 Kg)
- Dimensions: 9.17 (W) x .98 (H) x 6.8 (D) in.
  (233 (W) x 25 (H) x 173 (D) mm)
- Operating Temperature Range: +41 °F to +95 °F (+5 °C to +35 °C)
- Operating Humidity Range: 10 % to 75 %

HDMI

- Video Output Resolution: 1080p, 1080i, 720p, 480p
- Audio Output Format: PCM, Dolby Digital, Dolby Digital Plus

Optical Digital Audio

- Terminal: TOS-Link Optical
- Audio Output Format: PCM, Dolby Digital

Network

- Wired LAN: RJ-45 Ethernet Port x 1, 100M BASE-TX
- Wireless LAN: Built-in
- Security: WEP(OPEN/SHARED)
  WPA-PSK(TKIP/AES)
  WPA2-PSK(TKIP/AES)
- WPS(PBC): Supported

USB

- USB 2.0 Host x2 (0.5A)

Power

- Power Consumption
  Power On: Max. 25 W
  Power Off (when "Quick Start" Setting is "Off"): 0.5 W
- Power Rating: DC 14 V ⎓ / 1.786 A

CableCARD Slot

- Single Stream CableCARD Interface (S-MODE of M-CARD)

FDC (Forward Data Channel)

- RF Input Tunning Range: 70 to 130 MHz
- RF Input Level Range: -15 to + 15 dBmV (QPSK)
- Format: SCTE 55-1, 55-2

Cable

- Channel Input Frequency: 54 to 1002 MHz
- Cable Input Signal Level Range: 64 QAM -15 to +15 dBmV
  256 QAM -12 to +15 dBmV
- Cable Input Signal Modulation: 64/256 QAM

- Network speeds equal to or below 10 Mbps are not supported.
- Design and specifications are subject to change without prior notice.
- For the power supply and power consumption, refer to the label attached to the Smart Media Player.
- Weight and dimensions are approximate.

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Memo

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